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BULLETIN No. 130-66

HYDROLOGIC DATA: 1966

Volume III: CENTRAL COASTAL AREA

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MAY 1968

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI
Director
Department of Water Resources



STATE OF CALIFORNIA
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Department of Water Resources

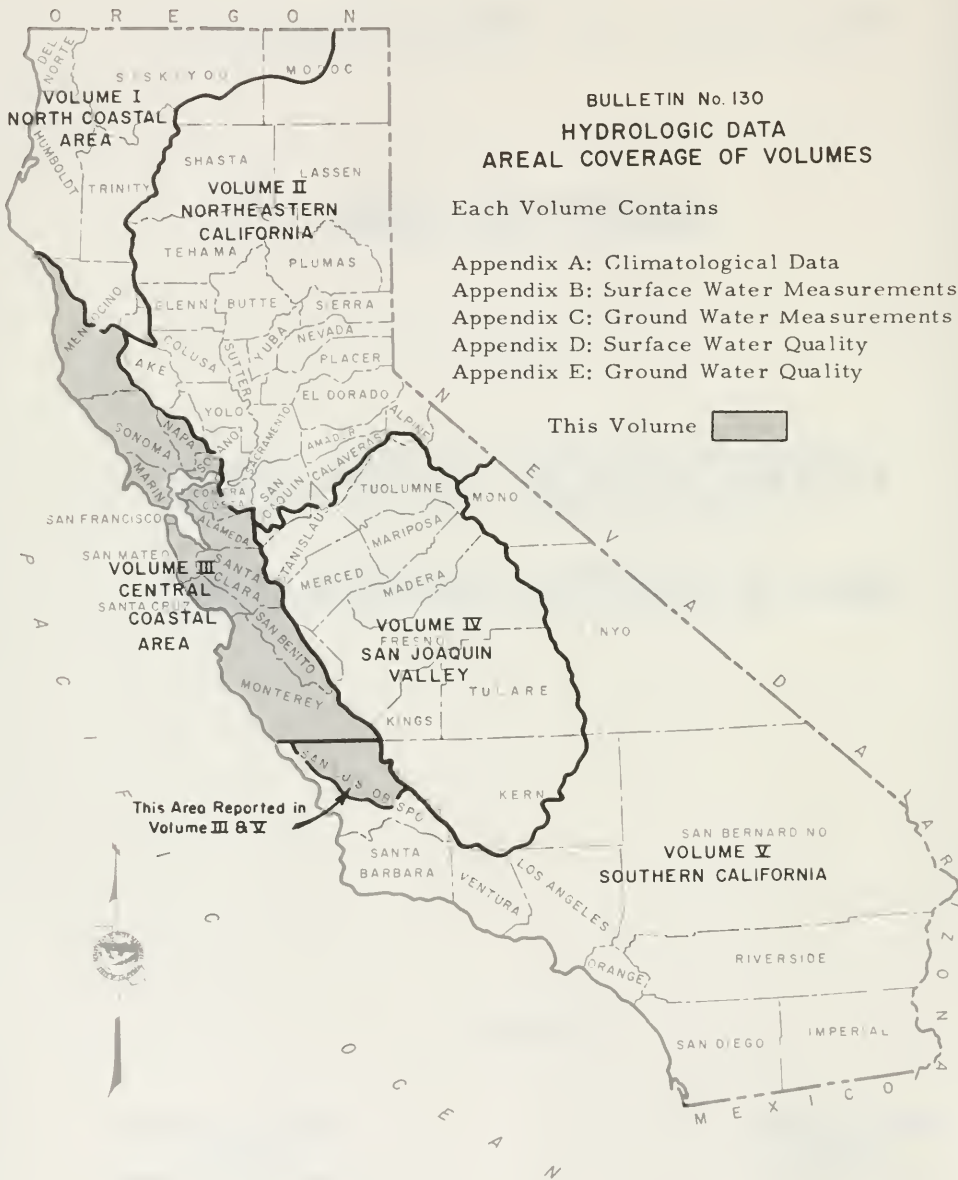
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FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-66 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.

William R. Gianelli
William R. Gianelli, Director
Department of Water Resources
State of California
March 29, 1968

METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT
Inch (in)	2.54 Centimeters
Foot (ft)	0.3048 Meter
Mile (mi)	1.609 Kilometers
Acre	0.405 Hectare
Square mile (sq. mi.)	2.590 Square kilometer
U. S. gallon (gal)	3.785 Liters
Acre foot (acre-ft)	1,233.5 Cubic meters
U. S. gallon per minute (gpm)	0.0631 Liters per second
Cubic feet per second (cfs)	1.7 Cubic meters per minute
1 part per million (ppm)	1 milligram per liter (mg/l)
1 part per billion (ppb)	1 microgram per liter (ug/l)
1 part per trillion (ppt)	1 nanogram per liter (ng/l)
1 equivalent per million (epm)	1 milliequivalent per liter (me/l)

TABLE OF CONTENTS

	<u>Page</u>
AREAL COVERAGE OF VOLUMES	ii
FOREWORD	iii
METRIC CONVERSION TABLE	iv
ORGANIZATION	ix
ACKNOWLEDGMENTS	xi
ABSTRACT	xii
APPENDIXES	
Appendix A: CLIMATOLOGICAL DATA	1
Introduction	3
Index of Climatological Stations	4
Temperature Data	19
Evaporation Data	33
Appendix B: SURFACE WATER MEASUREMENT	37
Introduction	39
Appendix C: GROUND WATER MEASUREMENT	45
Introduction	47
Processing the Data	47
Region and Basin Designation	47
State Well Numbering System	48
Ground Water Levels at Wells	59
Appendix D: SURFACE WATER QUALITY	87
Introduction	89
Mineral Analyses of Surface Water.	92
Miscellaneous Constituents in Surface Water.	112
Pesticides in Surface Water and Sediment	123

APPENDIXES (Continued)

	<u>Page</u>
Appendix E: GROUND WATER QUALITY	127
Introduction	129

FIGURES

Figure
Number

Appendix C

C-1	Fluctuation of Water Level in Wells	
	North Coastal Region	49
	San Francisco Bay Region	50
	Central Coastal Region	53

Appendix D

D-1	Specific Conductance - Daily Mean, Alameda Creek near Niles	90
-----	--	----

Appendix E

E-1	Status of Sea-Water Intrusion - Santa Clara Valley, East Bay Area	192
-----	--	-----

TABLES

Table
Number

Appendix A

A-1	Index of Climatological Stations for 1965-66	5
A-2	Precipitation Data	9
A-3	Temperature Data	20
A-4	Evaporation Data	34

TABLES (Continued)

<u>Table Number</u>		<u>Page</u>
<u>Appendix B</u>		
B-1	Surface Water Imports to the Central Coastal Area	40
B-2	Daily Mean Gage Height, Rector Reservoir near Yountville	41
B-3	Daily Maximum and Minimum Tides	42
B-4	Corrections and Revisions to Previously Published Reports of Surface Water Data	44
<u>Appendix C</u>		
C-1	Average Change of Ground Water Levels and Summary of Well Measurements Reported	57
C-2	Ground Water Levels at Wells	61
<u>Appendix D</u>		
D-1	Sampling Station Data and Index	91
D-2	Mineral Analyses of Surface Water	93
D-3	Trace Element Analyses of Surface Water	111
D-4	Miscellaneous Constituents in Surface Water	113
D-5	Description of Salinity Observation Stations	116
D-6	Salinity Observations at Bay and Delta Stations	117
D-7	Nutrients in Surface Water	120
D-8	Pesticides in Surface Water and Sediment	124
<u>Appendix E</u>		
E-1	Mineral Analyses of Ground Water	131
E-2	Trace Element Analyses of Ground Water	190
E-3	Miscellaneous Constituents in Ground Water	191

PLATES
(Bound at back of Bulletin)

Plate
Number

- 1 Climatological Stations in the Central Coastal
 Area, 1966.
- 2 Ground Water Basins or Units in the Central Coastal
 Area, 1966.
- 3 Surface Water Stations in the Central Coastal
 Area, 1966.

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

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Data Coordination Branch



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Federal

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United States Army, Post Engineer,
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United States Bureau of Reclamation
United States Coast Guard
United States Geological Survey
United States Soil Conservation Service
United States Weather Bureau

State

California Department of Public Health
California Department of Veterans
Affairs
California Division of Highways
California Division of Forestry
University of California, Agricultural
Extension Service

Local

Alameda County Flood Control and
Water Conservation District
Alameda County Water District
Marin County
Mendocino County
Monterey County Flood Control and
Water Conservation District
Napa County
San Benito County
San Luis Obispo County Flood Control
and Water Conservation District
Santa Clara County Flood Control and
Water District
Santa Clara Valley Water Conservation
District
Santa Cruz County, Department of
Public Works
Solano Irrigation District
Sonoma County Flood Control and Water
Conservation District
South Santa Clara Valley Water
Conservation District

ABSTRACT

Tables show data on climate, surface water flow, ground water levels, and surface and ground water quality in the Central Coastal Area during the 1965-66 water year. Figures show fluctuation of water levels in wells, specific conductance at five stations, and status of sea water intrusion in the Santa Clara Valley East Bay area. Plates show location of climatological stations, ground water basins or units, and surface water measurement and quality stations.

Appendix A
CLIMATOLOGICAL DATA



INTRODUCTION

This appendix is a summary of monthly precipitation, temperature, wind movement, and evaporation data for the Central Coastal Area from July 1, 1965 to September 30, 1966. Eighteen cooperating agencies and twenty-three local observers supplied the data. More detailed daily and hourly data for some of the stations are available in the files of the Department of Water Resources.

To insure accuracy, stations are inspected regularly to see that equipment is properly maintained and that, generally, observations are taken in accordance with U. S. Weather Bureau standards.

Each station for which data has been included in this appendix has been assigned an identification number. The first two digits denote the drainage basin; the remaining digits denote the alphabetical sequence of the station. The drainage basin designations are as follows:

<u>Central Coastal Area</u>	<u>San Francisco Bay Area</u>	<u>North Coastal Area</u>
D0 Santa Cruz Coast	E0 San Francisco Bay Area	F8 Mendocino Coast
D1 Pajaro-San Benito Rivers	E1 Coast-Marin	F9 Russian River
D2 Lower Salinas River	E2 Marin-Sonoma	
D3 Upper Salinas River	E3 Napa-Solano	
D4 Monterey Coast	E4 East Bay	
	E5 Alameda Creek	
	E6 Santa Clara Valley	
	E7 Bayside-San Mateo	
	E8 Coast-San Mateo	

Index of Climatological Stations

An explanation of the column headings and the code symbols used in connection with the climatological station listing follows:

40-Acre Tract - This denotes the location of the station within the section in which it is located. The letter code is derived from this diagram.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Cooperator Number - This number is assigned from the following list:

- 000 Private Cooperator
- 403 Sonoma County Flood Control and Water Conservation District
- 407 San Benito County
- 411 Marin County
- 413 Marin Municipal Water District
- 414 Santa Clara Valley Water Conservation District
- 418 Vallejo Water Department
- 426 Santa Clara County Flood Control and Water District
- 801 Pomology Department, U. C. Davis
- 804 State Department of Beaches and Parks
- 806 State Department of Water Resources
- 808 State Division of Forestry
- 809 State Division of Highways
- 900 U. S. Weather Bureau
- 901 Corps of Engineers, San Francisco District
- 907 State Climatologist (unpublished USWB)
- 909 U. S. Soil Conservation Service

Cooperator's Index Number - This indicates the number assigned to the station by the agency responsible for, or handling, the records of the station.

County - The code for counties included in the index of climatological stations is as follows:

Alameda	60	San Francisco	80
Contra Costa	07	San Luis Obispo	40
Marin	21	San Mateo	41
Mendocino	23	Santa Clara	43
Monterey	27	Santa Cruz	44
Napa	28	Solano	48
San Benito	35	Sonoma	49

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1965-66

CENTRAL COASTAL AREA

Station		Elevation (In Feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code			
Number	Name						I	O	II	O	I	II									
E6	0053	ALAMITOS PERC POND	185				37	15	18	122	52	18			1959			43			
E4	0064	ALAMO 1 N	410				37	52		122	02	00			1957			07			
E6	0125	ALMADEN RESERVOIR	640	SEC 11	T09S	R01E	E	M	37	10	00	121	50	00	414			1936			
F9	0135	ALPINE DAM	680				T01N	R07W	M	37	56	30	122	38	18	413			23		
E3	0212	ANGWIN P U C	1815	SEC 05	T08N	R05W	M	38	34	00	122	26	12	900			1939	28			
D2	0322	ARROYO SECO	800	SEC 36	T19S	R04E	M	36	14	00	121	29	00	900			1931	27			
D3	0360-01	ATASCADERO MAINT STA	940	SEC 26	T28S	R12E	R	M	35	27	30	120	38	24	809	L145		1948	40		
E3	0372	ATLAS ROAD	1735	SEC 25	T07N	R04W	M	38	25	00	122	15	00	900			1940	28			
D0	0674	BEN LOMOND	504	SEC 09	T10S	R02W	M	37	05	00	122	06	00	900			1937	1965	44		
D0	0676	BEN LOMOND #2	375	SEC 04	T10S	R02W	M	37	06	00	122	05	00	900			1965		44		
E4	0693	BERKELEY	299				T01S	R03W	M	37	52	00	122	15	00	900			1887	60	
D4	0790	BIG SUR STATE PARK	240	SEC 30	T19S	R02E	M	36	15	00	121	47	00	900			1914	27	21		
E6	0850	BLACK MTN 2 SW	2331	SEC 36	T07S	R03W	M	37	18	00	122	10	00	900			1943	43			
F9	0876	BLAKES LANDING	40	SEC 13	T04N	R10W	M	38	11	42	122	55	00	000			1956		21		
F9	0969	BON TEMPE DAM	723	SEC 11	T01N	R07W	M	37	57	24	122	36	36	413			1958		23		
F8	0973	BOONVILLE HMS	340	SEC 02	T13N	R14W	F	M	39	00	54	123	22	18	900	FN0971		1936	21		
F8	0973-02	BOONVILLE FARRER	395				T13N	R14W	M	39	00	48	123	22	12	901			1951	23	
D0	1005	BOULDER CK LOCATELLI	2180	SEC 16	T09S	R03W	M	37	09	00	122	12	00	900			1943		44		
D3	1034	BRADLEY	540	SEC 08	T24S	R11E	M	35	52		120	48		900			1946		27		
D3	1142	BRYSON	925	SEC 34	T24S	R08E	M	35	48	00	121	05	00	900			1946		27		
D1	1170	BURENA VISTA	1640	SEC 27	T13S	R07E	R	M	36	46	00	121	11	00	900			1932	35		
E7	1206	BURLINGAME	10				T04S	R05W	M	37	35	00	122	21	00	900			1946	01	
E4	1216	BURTON RANCH	530	SEC 09	T01S	R02W	M	37	52	00	122	05	00	900			1955		47		
D1	1247	BUZZARD LAGOON	1275	SEC 26	T10S	R01E	M	37	02	00	121	50	00	000			1959		44		
E5	1261	CALAVERAS RESERVOIR	805	SEC 24	T05S	R01E	M	37	29	12	121	49	06	900			1874		60		
E6	1285	CALERO RESERVOIR	500	SEC 04	T09S	R02E	E	M	37	10	48	121	45	48	414			1958		43	
E3	1312	CALISTOGA	365	SEC 36	T09N	R07W	M	38	35	00	122	35	00	900			1873		28		
E6	1341-10	CAMBERIAN PARK					M	37	15	12	121	55	24	426					43		
E6	1377-01	CAMPBELL WATER CO	192	SEC 35	T01S	R01W	C	M	37	17	00	121	57	00	000			1897	09	43	
D4	1534	CARMEL VALLEY	405				T17S	R02E	M	36	29	00	121	44	00	900			1957	27	
E3	1537	CARNEROS VALLEY	300	SEC 13	T05N	R05W	M	38	17	00	122	21	30	901			1931		28		
F9	1602	CAZADERO	1040	SEC 13	T08N	R12W	M	38	32	00	123	07	00	900			1939		49		
D1	1739	CHITTENDEN PASS	125	SEC 12	T12S	R03E	M	36	54	00	121	36	00	900			1945		35		
D1	1739-01	CHITTENDEN	104	SEC 11	T12S	R03E	K	M	36	54	08	121	36	17	909			1960		44	
D3	1743	CHOLAME HATCH RANCH	1975	SEC 12	T26S	R16E	M	35	41	00	120	12	00	900			1925		40		
D1	1766	CIENEGA	900	SEC 18	T14S	R06E	B	M	36	42	54	121	20	48	407			1950		35	
F9	1838	CLOYERDALE 3 SSE	320	SEC 29	T19N	R10W	M	38	46	00	122	59	00	900			1950		45		
F9	1840	CLOYERDALE 11 W	1820	SEC 17	T11N	R12W	M	38	46	00	123	13	00	900			1939		49		
E3	1919	COLLINSVILLE	34	SEC 22	T03N	R01E	F	M	38	05	26	121	51	17	000			1947		48	
E4	1962	CONCORD 3 E	200				T01N	R01W	M	37	58	00	121	59	00	900			1954		07
D0	2048	CORRALITOS	260						36	59		121	48		900			1958		43	
F9	2105	Coyote Dam	720	SEC 34	T16N	R12W	M	39	11	00	123	11	00	901			1960		23		
E6	2109	COYOTE RESERVOIR	800	SEC 09	T10S	R04E	C	M	37	05	06	121	32	24	414			1938		45	
D0	2159	CREST RANCH	2640				M	37	05	06	122	08	00	000			1948		44		
E4	2177	CROCKETT	12	SEC 32	T03N	R03W	M	38	02	00	122	13	00	900			1918		07		
D0	2290	DAVENPORT	273	SEC 32	T10S	R03W	Q	M	37	01		122	12		900			1910		44	
D2	2362	DEL MONTE	46				T15S	R01E	M	36	36	00	121	52	00	900			1911		27
E3	2399-48	DEVERTON 1 S	22	SEC 08	T04N	R01E	F	M	38	12	23	121	53	28	000			1950		48	
E3	2580	DUTTONS LANDING	20				M	38	12	00	122	18	00	900			1955		26		
E6	2919	EVERGREEN	340	SEC 20	T07S	R02E	G	M	37	19	00	122	02	00	900			1942	1965	43	
E3	2933	FAIRFIELD	15	SEC 25	T05N	R02W	M	38	15	00	122	03	00	900			1940		48		
E3	2934	FAIRFIELD POLICE STA	19	SEC 26	T05N	R02W	M	38	15	00	122	03	00	900			1951		48		
F8	3161	FORT BRAGG	80	SEC 07	T18N	R17W	M	39	27	00	123	48	00	900			1895		23		
F8	3164	FORT BRAGG AVIATION	61				M	39	24	00	123	49	00	900			1940		23		
F8	3191	FORT ROSS	116	SEC 30	T08N	R12W	D	M	38	31		123	15		900			1874		49	
D1	3232	FREEDOM 8 NNW	1495	SEC 24	T10S	R01E	M	37	03	00	121	49	00	900			1952		44		
D1	3238	FREWENT PEAK	2500				M	36	45	36	121	29	54	000			1950		35		
E5	3387	GERBER RH	2140	SEC 36	T06S	R04E	F	M	37	22	00	121	29	12	900			1912		43	
F9	3395-07	GEYSERSVILLE HOCKING	200	SEC 18	T10N	R09W	J	M	38	43	00	122	53	30	806			1965		49	
D1	3417	GILROY	194	SEC 06	T11S	R04E	M	37	00	00	121	34	00	900			1957		43		
D1	3419	GILROY 8 NE	1050	SEC 28	T10S	R05E	M	37	02	00	121	26	00	900			1942		43		
D1	3422	GILROY 14 ENE	1350	SEC 05	T10S	R06E	M	37	05	00	121	20	00	900			1940		45		
D2	3502	GOZALEZ 9 ENE	2350	SEC 15	T16S	R06E	M	36	33	00	121	18	00	900			1943		39		
F9	3577	GRATON	200	SEC 23	T07N	R09W	M	38	25	54	122	51	48	000			1928		48		
F9	3578	GRATON 1 W	210				T07N	R09W	M	38	26	00	122	53	00	900			1896		49
D2	3591	GREENFIELD BAKER	280				M	36	19	24	121	14	36	901					27		
E3	3612-01	GREEN VALLEY	414	SEC 03	T05N	R03W	M	38	17	00	122	10	00	418			1893	18	48		
E6	3681	GUADALUPE RESERVOIR	450	SEC 29	T08S	R01E	Q	M	37	12	00	121	53	00	414			1936		43	
F9	3683	GUERNEVILLE	115	SEC 25	T08N	R10W	M	38	30	00	123	00	00	900			1939		43		
E8	3714	HALF MOON BAY 2 NNW	60	SEC 19	T05S	R05W	M	37	29	00	122	27	00	900			1939	1965	41		

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1965-66

CENTRAL COASTAL AREA

Station		Elevation (in feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Longitude		Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						0	1						
E6 3714	HALF MOON BAY	60	SEC 29	T05S	R10E	M 37 28	00 122 26	00	900	1965			41	
D3 3722	HANES VALLEY	725	SEC 32	T23S	R10E	M 37 28	00 122 26	00	900	1963			27	
E4 3863	HAYWARD 6 ESE	925	SEC 28	T03S	R01W	M 37 39	00 121 58	00	900	1940			60	
F9 3875	HEALDSBURG	101	SEC 19	T09N	R09W	M 38 37	00 122 50	00	900	1877			49	
F9 3878	HEALDSBURG 2E	102		T09N	R09W	M 38 37	00 122 50	00	900	1943			49	
D1 3925	HERNANDEZ 2 NW	2160	SEC 29	T17S	R10E	M 36 25	00 120 55	00	900	1940			35	
D1 3928	HERNANDEZ 7 SE	2765	SEC 06	T19S	R12E	M 36 18	00 120 42	00	900	1940			35	
D1 4022	HOLLISTER	285	SEC 32	T12S	R05E	M 36 51	00 121 24	00	900	1874			35	
D1 4022-10	HOLLISTER COSTA	170	SEC 32	T11S	R05E	M 36 55	15 121 26	46	806	1962	1965		35	
D1 4025	HOLLISTER 2	284		T12S	R05E	M 36 51	00 121 24	00	900	1938			35	
D1 4027	HOLLISTER MOURA		SEC 32	T11S	R05E	H M 36 56	00 121 27	00	806	1965	1966		35	
D1 4035	HOLLISTER 10 ENE	3000	SEC 05	T12S	R07E	M 36 55	00 121 14	00	900				23	
F9 4100	HOPLAND LARGO STA	550		T13N	R12W	M 39 01	00 123 07	00	900	1948			23	
F9 4277	INVERNESS MERY	150				M 38 05	24 122 51	06	000	1951			21	
F9 4480	KELLOGG	1800	SEC 09	T09N	R07W	M 38 40	00 122 40	00	900	1936			49	
E2 4500	KENTFIELD	50				M 37 57	00 122 33	00	900	1888			21	
F9 4502	KENT LAKE	360		T02N	R06W	M 37 59	54 122 42	30	413	1954			21	
D2 4555	KING CITY	320	SEC 18	T20S	R08E	M 36 12	00 121 08	00	900	1887			27	
F9 4593	KNIGHTS VALLEY	480	SEC 18	T09N	R07W	M 38 37	00 122 40	00	900	1964			49	
E4 4633	LAFAYETTE 2 NNE	540				M 37 55	00 122 06	00	900	1956			07	
F9 4652	LAGUNITAS LAKE	785		T01N	R07W	M 37 56	48 122 35	42	413	1881			21	
E3 4654	LA HONDA	670	SEC 14	T07S	R04W	M 37 19	00 122 16	00	900	1950			41	
F3 4677	LAKE CURRY	396	SEC 19	T06N	R02W	M 38 21	18 122 07	18	418	1926	09		28	
D3 4767	LA PANZA RANCH	1550	SEC 20	T29S	R17E	M 35 23	00 120 10	00	900	1948			40	
E6 4916	LEROY ANDERSON DAM	700	SEC 10	T09S	R03E	K M 37 09	48 121 37	48	414	1950			43	
E6 4922	LEXINGTON RESERVOIR	700	SEC 05	T09S	R01W	J M 37 10	36 121 59	18	414	1951			43	
D3 4963	LINN RANCH	870	SEC 07	T26S	R12E	F M 35 41	06 120 43	24	000	1925			40	
E5 4996	LIVERMORE SEWAGE PLT	405	SEC 12	T03S	R01E	A M 37 41	28 121 48	20	000	1961			60	
E5 4997	LIVERMORE 2 SSW	545	SEC 20	T03S	R02E	M 37 39	00 121 47	00	900	1871			66	
D3 5017	LOCKWOOD 2 N	1104	SEC 34	T22S	R08E	M 35 58	00 121 05	00	900	1940			27	
E6 5123	LOS GATOS	428		T08S	R01W	M 37 13	00 121 59	00	900	1885			43	
E6 5123-04	LOS GATOS WRIGHT	1610	SEC 26	T09S	R01W	H M 37 07	24 121 56	00	000	1947			43	
D0 5125	LOS GATOS 4 SW	2215	SEC 01	T09S	R02W	M 37 11	122 02	00	900	1957			43	
D4 5184	LUCIA WILLOW SPRINGS	360	SEC 05	T24S	R05E	M 35 53	00 121 27	00	900	1941			27	
E3 5333	MARE ISLAND NAVY	52		T03N	R03W	M 38 06	12 122 16	12	900	1867			48	
E4 5371	MARTINEZ 3 S	225		T02N	R02W	M 37 58	00 122 08	00	900	1941			07	
E4 5372	MARTINEZ 3 SSE	280				M 37 58	00 122 06	00	900	1956			07	
E4 5377	MARTINEZ FIRE STN	26		T02N	R02W	M 38 01	00 122 08	00	900	1891			07	
D2 5647	MILL VALLEY	10	SEC 31	T01N	R06W	M 37 53	48 122 31	36	411	1944			21	
D4 5795	MONTEREY	335		T15S	R01E	M 36 36	00 121 54	00	900	1878			27	
E6 5844	MORGAN HILL 2 E	225		T09S	R03E	M 37 08	00 121 37	00	900	1943			43	
E5 5846	MORGAN HILL 6 WNW	660				M 37 09	12 121 46	00	900				43	
D1 5853	MORGAN HILL SCS	350	SEC 28	T09S	R03E	M 37 08	00 121 39	00	900	1945			43	
E4 5915	MOUNT DIABLO N GATE	2100	SEC 12	T01S	R01W	M 37 52	00 121 56	00	900	1952			07	
E5 5933	MOUNT HAMILTON	4206		T07S	R03E	M 37 20	00 121 39	00	900	1881			43	
D1 5973	MOUNT MADONNA	1800	SEC 35	T10S	R02E	M 37 01	00 121 43	00	900	1945			44	
D1 5973-11	MT MADONNA CO PK	1880	SEC 01	T11S	R02E	B M 37 00	42 121 42	12	909	1937			43	
E2 5996	MT TAMALPAIS 2 SW	1480				M 37 54	12 122 36	00	900	1955			21	
E2 6027	MUIR WOODS	170				M 37 54	00 122 34	00	900	1940			21	
D3 6056	NACIMIENTO DAM	770	SEC 15	T25S	R10E	M 35 46	00 120 53	00	900	1957			40	
E3 6065	NAPA	16	SEC 03	T05N	R04W	M 38 18	00 122 17	00	900	1945	1966		28	
E3 6067	NAPA 5 NNW	30	SEC 16	T06N	R04W	M 38 22	00 122 18	00	900	1966			28	
E3 6074	NAPA STATE HOSPITAL	60	SEC 14	T05N	R04W	H M 38 17	00 122 16	00	900	1877			28	
F9 6105	NAVARRO 1 NW	220				M 39 10	12 123 34	00	900	1958			23	
E5 6144	NEWARK	14	SEC 01	T05S	R02W	Q M 37 31	18 122 01	43	900	1891			60	
F9 6187	NICASIO								413				21	
E5 6199-10	NILES PIDRIA	75		T04S	R01N	M				1962			60	
E2 6290	NOVATO 8 WNW	350	SEC 24	T04N	R08W	M 38 08	00 122 43	00	900	1943			21	
E2 6290-02	NOVATO FIRE HOUSE	18				M 38 06	30 122 33	42	411	1957			21	
E4 6332-01	OAKLAND 39TH AVE			T02S	R03W	M			907	1960			60	
E4 6333	OAKLAND CITY HALL	40	SEC 35	T01S	R04W	M 37 48	00 122 16	00	900	1949			60	
E4 6335	OAKLAND WB AP	3				M 37 44	00 122 12	00	900	1939			60	
E3 6351	OAKVILLE 1 WNW	160	SEC 21	T07N	R05W	M 38 27	00 122 25	00	900	1906			28	
E3 6356	OAKVILLE 4 SW NO 2	1685	SEC 01	T06N	R06W	M 38 24	00 122 28	00	900	1963			28	
F9 6370	OCCIDENTAL	1000	SEC 33	T07N	R10W	M 38 25	00 122 59	00	900	1940			49	
D1 6610	PAICINES OHRWALL RCH	950	SEC 12	T14S	R05E	M 36 44	00 121 22	00	900	1924			35	
D6 6646	PALO ALTO CITY HALL	23	SEC 01	T06S	R03W	M 37 27	00 122 08	00	900	1953			43	
D2 6650	PALOMA	1835	SEC 23	T18S	R04E	M 36 21	00 121 30	00	900	1940			27	
D3 6703	PARKFIELD	1482	SEC 35	T23S	R14E	M 35 53	00 120 26	00	900	1938			27	
D3 6706	PARKFIELD 7 NNW	3590	SEC 21	T22S	R14E	N M 36 59	46 120 28	26	900	1948			27	

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1965-66

CENTRAL COASTAL AREA

Station		Elevation (in Feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude		Longitude		Cooperator Number	Cooperator's Base Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	W	O	W						
D3 6730	PASO ROBLES	700	SEC 33	T26S	R12E	M	35	38	00	120	41	00	900			40
D3 6736	PASO ROBLES 5 NW	995	SEC 13	T26S	R11E	M	35	41	00	120	45	00	900			40
D3 6742	PASO ROBLES FAA AF	803	SEC 13	T26S	R12E	M	35	40	00	120	38	00	900			40
E6 6791-43	PENITENCIA RAIN GAGE		SEC 13	T06S	R01E	M	37	24	00	121	49	54	426			40
E2 6826	PETALUMA FS NO 2	16	SEC 33	T05N	R07W	M	38	14	00	122	38	00	900			49
E2 6826-01	PETALUMA BURNS	240	SEC 02	T04N	R08W	M	38	13	00	122	42	48	901			49
F8 6851-01	PHILO 2 NW	240		T14N	R15W	M	39	05	30	123	26	30	000			23
F8 6851-02	PHILO 4 NW	240	SEC 33	T15N	R15W	M	39	01	00	123	37	00	403			23
F9 6853	PHOENIX LAKE DAM	175				M	37	57	18	122	34	24	413			21
D2 6926	PINNACLES NAT MON	1310	SEC 02	T17S	R07E	M	36	29	00	121	11	00	900			35
E5 6991-05	PLEASANTON NURSERY	345	SEC 20	T03S	R01E	M	37	40	00	122	53	00	000			60
F8 7009	POINT ARENA	122	SEC 12	T12N	R17W	M	38	55	00	123	42	00	900			23
E4 7070	PORT CHICAGO NAD	50		T02N	R01W	M	38	01	00	122	01	00	900			07
E8 7086	PORTOLA STATE PARK	422	SEC 08	T08S	R03W	Q	37	14	42	122	12	42	901			41
F9 7108	POTTER VALLEY 3 SE	1100	SEC 27	T17N	R11W	M	39	18	00	123	04	00	900			23
F9 7109	POTTER VALLEY PH	1014	SEC 06	T17N	R11W	M	39	22	00	123	08	00	900			23
D2 7150	PRIEST VALLEY	2300	SEC 21	T20S	R12E	M	36	11	00	140	42	00	900			27
D1 7190	QUIEN SABE HAY CAMP	1630	SEC 27	T12S	R07E	M	36	51	30	121	11	48	000			35
D1 7249	RANCHO QUIEN SABE	1800	SEC 04	T13S	R07E	D	36	50	12	121	12	48	000			35
E6 7339	REDWOOD CITY	31		T05S	R03W	M	37	29	00	122	14	00	900			41
F9 7351	REDWOOD VALLEY	718	SEC 09	T16N	R12W	M	39	16	00	123	12	00	900			23
E4 7414	RICHMOND	55				M	37	56	00	122	21	00	900			07
D4 7539-01	ROOSEVELT RANCH	1100	SEC 24	T20S	R02E	M	36	10	48	121	41	48	000			27
E3 7643	SAINT HELENA	255	SEC 31	T08N	R05W	N	38	30	00	122	28	00	900			28
E3 7646	SAINT HELENA 4 WSW	1792	SEC 04	T07N	R06W	M	38	30	00	122	32	00	900			21
E4 7661	SAINT MARYS COLLEGE	625	SEC 17	T01S	R02W	M	37	50	00	122	06	00	900			07
D2 7668	SALINAS 2 E	80				M	36	40	00	121	37	00	900			27
D2 7669	SALINAS FAA AP	80		T14S	R03E	M	36	40	00	121	36	00	900			27
D3 7672	SALINAS DAM	D 1380	SEC 08	T30S	R14E	M	35	20	00	120	30	00	900			40
E2 7707-01	SAN ANSELMO	100				M	37	58	36	122	33	42	411			21
D3 7714	SAN ANTONIO MISSION	1060	SEC 18	T22S	R07E	M	36	01	00	121	15	00	900			27
D2 7716	SAN ARDO	440	SEC 16	T22S	R10E	K	36	00	48	120	54	06	900			27
D1 7719	SAN BENITO	1355	SEC 27	T16S	R08E	H	36	30	30	121	04	54	900			35
D4 7731	SAN CLEMENTE DAM	600	SEC 23	T17S	R02E	M	36	26	12	121	42	30	900			27
D1 7755	SAN FELIPE HGHWY STN	365		T10S	R06E	M	37	01	00	121	20	00	900			43
E8 7767	SAN FRANCISCO SUNSET	300		T02S	R06W	M	37	46	00	122	30	00	900			80
E7 7769	SAN FRANCISCO WB AP	8				M	37	37	00	122	23	00	900			41
E7 7772	SAN FRANCISCO P O B	52				M	37	47	00	122	25	00	900			80
E8 7807	SAN GREGORIO 3 SE	355	SEC 30	T07S	R04W	M	37	18	00	122	20	00	900		1964	41
E8 7807	SAN GREGORIO 2 SE	275	SEC 23	T07S	R05W	M	37	18	00	122	22	00	900			41
E6 7821	SAN JOSE	70		T07S	R01E	M	37	21	00	121	54	00	900			43
E6 7824-01	SAN JOSE DECID FPS	90	SEC 15	T07S	R01W	J	37	19	00	121	57	00	801			43
D1 7834	SAN JUAN BAUTISTA 3 SSE	615	SEC 10	T13S	R04E	M	36	49	00	121	31	00	900			35
D1 7835	SAN JUAN BAUTISTA MI	200				M	36	50	42	121	32	00	804		02	35
D2 7845-10	SAN LUCAS GUIDICI	380	SEC 08	T21S	R09E	B	36	07	25	121	01	00	806			27
E7 7864	SAN MATEO	30	SEC 29	T04S	R04W	M	37	34	00	122	19	00	900			41
E2 7880	SAN RAFAEL	31				M	37	58	00	122	32	00	900			21
E2 7880-08	SAN RAFAEL NO 1	25		T02N	R06W	M	37	58	24	122	31	30	413			21
E6 7912	SANTA CLARA UNIV	88		T07S	R01W	M	37	21	00	121	56	00	900			43
DO 7916	SANTA CRUZ	125				M	36	59	00	122	01	00	900			44
D3 7930	SANTA MARGARITA 2 SW	1200	SEC 36	T29S	R12E	M	35	22	00	120	38	00	900			40
D3 7933	SANTA MARGARITA BSTR	1100	SEC 25	T29S	R12E	M	35	22	00	120	38	00	900			40
D2 7959-10	SANTA RITA MUTHER	80	SEC 12	T14S	R03E	H	36	45	00	121	41	24	806			27
F9 7964	SANTA ROSA SEWAGE PT	20	SEC 21	T07N	R08W	P	38	26	24	122	45	12	000		1965	49
F9 7965	SANTA ROSA	167		T07N	R08W	P	38	27	00	122	42	00	900			49
E6 7998-01	SARATOGA CLARK	272		T07S	R01W	M	37	16	48	121	59	42	414			43
E6 7998-02	SARATOGA GAF MAINT					M	37	15	00	122	02	00	900			43
E6 7998-03	SARATOGA KRIEGE			T08S	R02W	M	37	15	00	122	02	00	900			43
E6 8068	SEARSVILLE LAKE	350	SEC 12	T06S	R03W	M	37	24	00	122	14	00	900			41
F9 8072	SEBASTOPOL 4 SSE	150	SEC 06	T06N	R09W	M	38	21	00	122	49	00	900			49
F9 8272	SKAGGS SPR LAS LOMAS	1930	SEC 36	T10N	R12W	M	38	41	00	123	08	00	900			49
D2 8276	SLACK CANYON	1730	SEC 22	T21S	R12E	M	36	05	00	120	40	00	900			27
D2 8338	SOLEDAD	204		T17S	R06E	M	36	26	00	121	19	00	900			27
D2 8338-01	SOLEDAD CTF	230	SEC 12	T17S	R05E	B	36	28	26	121	22	34	000			27
E2 8351	SONOMA	20				M	38	17	00	122	27	00	900			49
E0 8376	S E PARALLON	27				M	37	42	00	123	00	00	900			80
D2 8446	SPRECKELS HWY BRIDGE	60		T15S	R03E	M	36	36	00	121	41	00	900			27
D2 8446-01	SPRECKELS	48	SEC 16	T15S	R03E	M	36	37	12	121	39	000	900			27
E6 8447	SPRECKELS HILL-LAG. SE	394		T09S	R03E	M	37	12	00	121	44	00	414			43
E6 8519	STEVENS CREEK RES	600	SEC 28	T07S	R02W	H	37	18	00	122	05	00	414			43

TABLE A-1
INDEX OF CLIMATOLOGICAL STATIONS FOR 1965-66
CENTRAL COASTAL AREA

Station		Elevation (in Feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	I	II	O	I	II						
D1 8680	SUNSET BEACH ST PARK	85					36	54	00	121	50	00	900		1956			44
E2 8779	TAMALPAIS VALLEY	250					37	52	42	122	32	36	901		1959			21
D3 8849	TEMPLETON	773	SEC 29	T27S	R12E	M	35	32	56	120	42	21	000		1886		05	40
F9 8885	THE GEYSERS	1600	SEC 23	T11N	R09W	M	36	48	00	122	49	00	900		1939			49
E2 8920-21	TIBURON TOPHAM	400		T01S	R05W	M	37	52	24	122	27	12	000		1960			21
F9 9122	UKIAH	623	SEC 17	T15N	R12W	M	39	09	00	123	12	00	900		1877			23
F9 9124	UKIAH 4 WSW	1900					39	08		123	17		900		1951	1955		23
E4 9165	UPPER SAN LEANDRO FIL	390	SEC 11	T02S	R03W	G	37	46	00	122	10	00	900		1944			07
D1 9189	UPPER TRES PINOS	2050	SEC 07	T15S	R09E	M	36	38		121	02		900		1940			35
D3 9221	VALLETON	950	SEC 32	T23S	R12E	M	35	53	00	120	42	00	900		1940			27
E6 9270	VASONA RESERVOIR	300					37	14	36	121	58	00	426					43
F9 9273	VENADO	1260	SEC 19	T09N	R10W	M	38	37	00	123	01	00	900		1939			49
E3 9305	VETERANS HOME	170	SEC 01	T06N	R05W	M	38	23		122	22		000		1912			26
E4 9420	WALNAR SCHOOL	128					37	57	00	122	05	00	900		1954			07
E4 9423	WALNUT CREEK 2 ESE	245	SEC 36	T01N	R02W	M	37	53	00	122	02	00	900		1887			07
E4 9426	WALNUT CREEK 2 ENE	220	SEC 30	T01N	R02W	M	37	54	00	122	01	00	900		1944			07
E4 9427	WALNUT CREEK 4 E	400					37	54	00	121	59	00	900		1954			07
D1 9473	WATSONVILLE WATERWKS	95					36	56	00	121	46	00	900		1880			44
DO 9675	WILDER RANCH	50					36	57	36	122	05	24			1924			44
E3 9675-41	WILD HORSE VALLEY	1240	SEC 10	T05N	R03W	D	38	17	53	122	11	13	418					46
F9 9770	WOODACRE	430					38	00	24	122	38	30	808	049770	1950	1956		21
E6 9814	WRIGHTS	1600	SEC 23	T09S	R01W	M	37	08	00	121	37	00	900		1918			43
F8 9851	YORKVILLE	1100	SEC 02	T12N	R13W	M	38	55	00	123	16	00	900		1939			23
E3 9861	YOUNTVILLE GAMBLE	120	SEC 24	T07N	R05W	P	38	26	05	122	22	05	806		1962			28

PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation in Inches												Total To Sept.30			
	1965						1966									
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
CENTRAL COASTAL AREA																
SANTA CRUZ COAST																
Ben Lomond	0.00	0.04	T	0.00	12.11	7.57E RB	RE	5.83	6.85	0.41	0.84	T	0.24			-
Ben Lomond No 2	0.00	0.20	0.09	0.25	14.10	9.27	9.11	7.19	1.08	1.76	0.17	0.00	0.00	0.00	0.25	43.18
Boulder Ck Locatelli	16.04E	0.00	0.07E	6.13E	4.89	0.29E	1.52	2.12E	0.29E	0.63E	0.10E	0.00	0.00	0.00	0.00	15.75E
Coralitos	42.66E	0.00	0.00	0.30	14.00	8.65	9.06	7.56	1.37	1.37	0.06	0.15	0.05	0.50	0.50	43.36E
Crest Ranch																
Davenport	20.28	0.05	0.00	0.19	7.56	4.17	3.49	4.45	0.49	0.49	0.64	0.08	0.08	0.16	0.32	20.27
Santa Cruz	20.02	0.00	0.11	0.00	6.93	4.54	2.17	4.72	3.39	0.79	0.10	0.15	0.32	0.10	0.10	20.48
Sunset Beach St. Park	13.52	0.00	0.20	0.05	5.08	4.75	1.41	1.54	0.19	0.26	0.04	0.00	0.55	0.00	0.14	14.01
Wilder Ranch	19.51	0.00	0.10	0.14	7.19	4.70	2.04	3.99	0.58	0.57	0.06	0.14	0.24	0.06	0.09	19.80
PAJARO-SAN BERNITO RIVERS																
Buena Vista	12.43E	0.19E	0.04	0.15	5.44	3.57E	1.22E	1.20	0.33	0.33	0.19	0.00	0.63	0.00	0.58	13.41E
Buzzard Lapoon	22.05	0.00	0.27	0.10	7.65	6.41	2.89	2.62	0.38	0.88	0.26	0.59	0.00	0.00	0.23	22.01
Chittenden Pass	16.55	0.00	0.66	0.03	5.90	5.00	1.92	1.92	0.21	0.21	0.77	0.01	0.22	0.00	0.10	16.18
Chittenden	15.76	0.00	0.65	0.02	5.93	4.78	1.87	1.52	0.08	0.73	0.09	0.00	0.20	0.00	0.09	15.38
Cienega	16.97	0.00	0.46	0.00	8.09	4.81	1.93	1.10	0.32	0.22	0.04	T	0.51	0.00	0.42	17.44
Freedom BNNW																
Gilroy	14.39	0.00	0.58	0.00	5.58	4.03	1.61	1.62	0.12	0.54	0.25	0.00	0.36E	0.00	0.00	14.34
Gilroy 10 ENE	15.40	0.27	T	0.00	6.39	4.61	1.42	1.51	0.12	0.77	0.31	0.00	0.30	0.00	0.04	15.47
Hernandez 2 NW	12.87	0.22	0.06	0.00	6.62	3.43	1.23	0.86	0.19	0.12	0.02	0.07	0.65	0.00	0.74	13.98
Hernandez 7 SE	16.15	0.17	0.00	0.05	9.43	3.63	1.10	1.27	0.26	0.15	0.60	0.04	0.68	0.00	0.74	17.35
Hollister	11.22	T	0.31	0.02	4.68	3.53	1.18	0.91	0.14	0.30	0.11	0.00	0.43	T	0.17	11.49
Hollister Mours	11.25	0.00	0.15	0.01	4.96	3.22	1.06	0.75	0.00	0.22	0.09	0.00	0.43	0.00	0.30	11.65
Hollister 10 ENE	15.02E	0.02	0.31	0.07	5.81	3.67E	1.61	1.58	0.27	0.23	0.21	0.00	0.53	0.00	0.18	15.34E
Morgan Hill 2 E	14.65	T	0.50	0.00	5.67	4.49	1.43	1.40	0.18	0.37	0.14	0.06	0.32	0.00	0.15	14.62
Morgan Hill SGS	14.8	0.0	0.4	0.2	5.7	4.8	1.6	1.4	0.2	0.3	0.22	0.1	0.3	0.0	0.1	14.8
Mount Madonna	20.88	0.00	0.40	0.00	7.32	6.62	1.75	3.08	0.39	1.00	0.22	0.00	0.31	0.00	0.26	21.05
Mr Madonna Co Pk	21.57	0.01	0.37	0.07	7.46	6.22	2.13	3.25	0.54	1.16	0.25	0.01	0.35	0.00	0.16	21.63
Faencines Thruwall Rch	12.44	0.05	0.50	0.00	5.60	3.93	1.23	0.77	0.13	0.23	0.00	0.00	0.36	T	0.32	12.57
Queen Sabe Hay Camp	13.70	0.05	0.18	T	5.78	3.68	1.24	1.28	0.29	0.35	0.24	T	0.56	0.00	0.28	14.31
Rancho Quien Sabe	14.17	0.00	0.19	0.00	6.08	3.87	1.62	1.43	0.26	0.35	0.23	0.00	0.56	0.00	0.28	14.82
San Benito	11.19E	0.00	0.03	0.06	6.14E	2.74	1.15	0.77	0.15	0.07	0.00	0.00	0.42	0.00	0.26	11.78E
San Felipe Highway Stn		0.00	0.28E	0.05	6.59	4.73	1.24	1.24	0.11	1.24	0.00	0.00	0.60	0.00	0.25	14.21
San Juan Bautista 3 SSE	13.87	0.00	0.10	0.00	5.25	5.18	1.37	1.31	0.11	0.45	0.04	0.00	0.25	0.00	0.19	14.21
San Juan Bautista MI	13.83	0.02	0.32	0.00	5.25	4.41	1.87	1.29	0.18	0.44	0.00	0.00	0.23	0.03	0.25	13.97

T No record or record incomplete
 RE Trace
 RB Record ends
 RB Record begins
 E Estimated

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July/1 To June 30	Precipitation in Inches												Total Oct/1 Sept 30				
		1965						1966										
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.	
CENTRAL COASTAL AREA																		
PAJARO-SAN BENITO RIVERS																		
Spreckles Hill Lag. Se	11.29	0.00	0.00	0.12	3.72	3.61	1.31	1.29	0.23	0.25	0.20	0.15	0.32	0.00	0.22	11.62		
Upper Trees Pinos	12.76E	0.11E	0.24	0.05	6.73	3.23E	1.27	0.58	0.15	0.16	0.22	0.00	0.40E	0.00	0.40	13.19E		
Watsonville Watersheds	14.63	0.00	0.28	0.07	5.21	4.60	1.77	2.01	0.23	0.41	0.05	0.00	0.32	T	0.08	14.73		
LOWER SALINAS RIVER																		
Arroyo Seco	15.54E	0.00	0.07	0.00	7.06	4.83	1.55	1.13	0.35	0.43E	0.00	0.02	0.35	0.00	0.60E	16.43E		
Pal. Monte	12.94E	0.00	0.26	0.17	4.22	4.56E	1.36E	1.36E	0.13	0.13	0.00	0.02	0.17	0.00	0.18	13.03E		
Greenfield Baker	11.35E	0.03	0.17	0.05	5.44	5.70	1.13	1.56	0.19	0.65	0.04	0.00	0.18	0.00	0.28	15.55		
Greenfield Baker	9.79	0.04	0.09	0.04	5.24	2.24	1.55	0.39	0.15	0.21	0.00	0.00	0.40	0.00	0.22	12.32E		
Homes Valley	13.63	0.00	0.00	0.00	8.35	3.06	1.43	0.48	0.18	0.01	0.00	0.01	0.26	0.00	0.11	9.95		
Montecsy	18.39	0.00	0.00	0.00	5.28	1.50	1.04	0.30	0.15	0.27	0.00	0.00	0.00	0.00	0.21	8.50		
Paloma	17.66	0.05	0.16	0.02	6.49	5.56	2.32	1.88	0.43	0.02	0.13	0.12	0.28	0.09	0.32	18.12		
Pinnacles Nat Mon	13.92	0.22	0.22	0.04	6.77	3.53	1.62	0.78	0.51	0.09	0.00	0.01	0.46	0.09	0.20	18.15		
Priest Valley	17.82	0.19	T	0.04	9.82	4.35	1.72	1.26	0.15	0.19	T	0.10	1.00	0.00	0.48	19.11		
Salinas 2 E	11.71	0.00	0.42	0.02	4.20	4.25	1.26	1.17	0.10	0.14	0.01	0.01	0.23	0.00	0.18	11.68		
Salinas FAA Ap	11.04	T	0.31	0.03	4.11	4.07	1.04	1.10	0.11	0.15	T	0.01	0.23	0.03	0.23	11.19		
San Ardo	10.95	0.00	0.05	0.02	6.70	2.59	1.18	0.32	0.09	0.00	0.00	0.00	0.17	0.00	0.44	11.49		
San Lucas Guldici	-	0.02	T	0.00	5.28	RE	1.00	0.72	0.10	0.00	0.00	0.00	0.00	0.00	0.44	11.49		
Slack Canyon	12.67E	0.00	0.00	0.04	7.96	2.74E	1.00	0.72	0.10	0.00	0.00	0.00	0.00	0.00	0.25	12.81E		
Soledad	10.38	0.20	0.11	0.00	4.91	3.01	1.28	0.47	0.37	T	0.00	0.01	0.25	0.00	0.06	10.38		
Soledad CTF	10.38	0.08	0.22	0.00	4.82	2.80	1.26	0.53	0.60	0.06	0.00	0.00	0.19	0.00	0.53	10.80		
Spreckles Hwy Bridge	12.45	0.00	0.36	0.03	4.24	4.10	1.69	1.24	0.32	0.23	T	0.05	0.70	0.00	0.30	13.06		
Spreckles	11.57	0.00	0.40	0.02	4.25	4.01	1.25	1.10	0.20	0.18	0.00	0.00	0.54	0.00	0.28	11.97		
UPPER SALINAS RIVER																		
Atascadero Maint Stn	14.21	0.04	0.00	0.03	7.55	3.70	1.73	0.69	0.22	0.11	0.00	0.14	0.04	0.00	0.29	14.50		
Bradley	10.69	0.23	0.00	0.02	6.41	2.23	1.12	0.60	0.07	0.01	0.00	0.00	0.15	0.00	0.06	10.38		
Bryson	21.89	0.15	0.05	0.00	12.14	5.59	0.85	0.78	0.00	0.07	0.00	0.00	0.19	0.00	0.20	22.11		
Shomes Hatch Ranch	7.91E	0.00	0.00	0.00	5.44	2.26	0.85	0.10	0.00	0.00	0.00	0.13	0.19	0.00	0.13	7.82E		
La Panza Ranch	0.10	0.00	0.00	0.00	0.82	0.00	1.14E	0.83E	0.10	0.01	0.00	0.09	0.08	0.00	0.71	-		
Linn Ranch	12.30	0.02	T	0.09	7.23	3.11	1.27	0.43	0.03	0.00	0.00	0.12	0.00	0.00	0.90	13.27		
Northwood 2	12.00	0.00	0.00	0.00	6.81	3.32	1.53	0.66	0.12	T	0.00	0.00	0.22	0.00	0.90	13.66		
Northwood 2 Dum	12.00	0.00	0.00	0.00	6.81	3.32	1.53	0.66	0.12	T	0.00	0.00	0.22	0.00	0.90	13.66		
Parkfield	12.92	0.32	T	0.43	6.68	3.34	1.12	0.66	0.07	0.08	0.03	0.19	0.24	0.00	0.27	12.56		
Parkfield 7 NW	11.28E	0.25	0.00	0.40	7.04	1.91	0.60	0.58	0.08E	0.15	0.12	0.08	0.53	0.00	0.14E	11.30E		

- No record or record incomplete
T Trace
RE Record ends
E Estimated

PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation in Inches												Total Oct.1 To Sept.30				
	1965						1966										
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.	
CENTRAL COASTAL AREA	Total July 1 To June 30																
UPPER SALINAS RIVER																	
Pase Robles 5 NW	11.97	0.64	0.03	0.15	0.00	6.43	3.24	1.17	0.68	0.08	0.00	0.01	0.14	0.08	0.00	0.11	11.94
Pase Robles EAM Ap	17.31	0.03	0.13	0.13	0.00	7.65	2.99	1.34	0.44	0.05	0.00	0.00	0.10	0.10	0.00	0.07	12.74
Salinas Dam	19.97	0.05	0.02	0.12	0.01	10.15	2.24	1.08	0.56	0.03	0.00	T	0.10	0.17	T	0.16	10.11
San Antonio Mission	18.76	0.05	0.00	0.01	0.00	11.34	3.65	1.57	1.64	0.14	0.08	0.00	0.02	0.05	0.00	1.13	18.18
Santa Margarita 2 SW	22.14	0.00	0.02	T	0.01	12.72	5.09	2.21	1.18	0.55	0.36	T	T	0.13	0.00	0.67	22.92
Santa Margarita 8str	22.60	T	0.02	0.05	0.02	12.99	5.13	2.45	1.18	0.46	0.26	0.00	0.04	0.14	0.00	0.61	23.27
Templeton	13.99	0.01	0.00	0.00	0.01	7.29	3.96	1.67	0.66	0.24	0.00	0.00	0.15	0.04	0.00	0.10	14.12
Valeton	10.35	0.18	0.00	0.30	0.00	6.26	2.27	1.00	0.50	0.04	0.00	0.00	0.00	0.22	0.00	0.19	10.48
MONTEREY COAST																	
Big Sur State Park	33.57	T	0.07	0.00	0.24	14.97	8.41	3.54	5.14	0.31	0.89	0.00	0.00	0.12	T	0.23	33.82
Carmel Valley	13.74	0.00	0.17	T	0.12	5.25	4.36	1.77	1.25	0.56	0.24	0.00	0.02	0.20	0.00	0.05	19.11
Lucia Willow Springs	19.53	0.08	0.65	0.00	0.00	10.42	4.09	2.19	2.11	0.12	0.39	0.00	0.08	0.20	0.00	0.63	19.69
Roosevelt Ranch	22.29	T	0.17	0.00	0.19	7.14	7.32	3.00	3.43	0.24	0.80	T	0.00	0.25	T	0.23	22.60
San Clemente Dam	15.92	0.00	0.25	0.00	0.07	6.63	4.43	2.04	1.47	0.68	0.27	0.00	0.08	0.27	0.00	0.18	16.12

T Trace

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Total July 1 To June 30	Precipitation in Inches												Total Oct 1 To Sept 30				
		1965						1966										
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.	
SAN FRANCISCO BAY AREA																		
SAN FRANCISCO BAY	13.31E	0.00	0.18	0.00	0.15	3.92	2.01	2.85E	2.59	0.80	0.49	0.05	0.27	0.00	0.15	0.46	13.74E	
S E Fossilton																		
COAST-MARIN																		
Muir Woods	30.63	0.00	0.68	0.00	0.88	7.25	5.49	6.64	5.99	2.28	0.90	0.25	0.27	0.00	0.32	0.04	30.31	
MARIN-SONOMA																		
Kentfield	41.96	T	0.63	0.00	0.67	6.86	6.53	16.60	6.53	1.33	1.33	0.25	0.16	0.00	0.19	0.11	41.63	
Mill Valley	23.01	0.00	0.00	0.00	0.00	0.89	4.16	9.99	4.16	0.87	0.70	0.00	0.00	0.00	0.09	0.08	22.48	
Point Reyes	23.01	0.00	0.00	0.00	0.00	0.00	3.72	4.37	3.61	0.16	0.36	0.07	0.00	0.00	0.10	0.13	17.14	
Oakville & SH No 2	29.22	0.00	0.78	0.00	0.10	8.75	5.26	7.83E	4.25E	0.59	1.39	0.17	0.10	0.00	0.29	0.00	28.73	
Petaluma FS No 2	19.65	0.00	0.41	0.00	0.20	5.93	3.70	5.00	3.10	0.55	0.46	0.12	0.18	0.00	0.11	0.05	19.40	
Petaluma Burns	25.95	0.00	0.35	0.00	0.10	7.60	4.70	7.90	3.95	0.50	0.75	0.10	0.20	0.00	0.28	0.05	25.93	
Point Reyes Bldg	42.97	0.00	0.52	0.00	0.00	10.17	6.63	14.36	9.04	0.79	1.16	0.18	0.12	0.00	0.22	0.08	42.75	
Point Reyes Bldg	32.43	0.00	0.55	0.00	0.00	7.89	4.56	10.78	8.07	0.28	0.30	0.00	0.00	0.00	0.00	0.01	31.89	
San Anselmo	31.51	0.02	0.77	0.00	T	7.67	5.79	10.44	5.53	0.41	0.62	0.21	0.05	0.00	0.11	0.06	30.89	
San Rafael	32.08	T	0.80	0.00	0.00	7.83	6.14	9.66	6.47	0.38	0.61	0.02	0.07	0.00	0.09	0.03	31.40	
Sonoma	23.45	0.00	0.66	0.00	0.20	6.74	3.49	7.50	3.31	0.54	0.63	0.15	0.23	0.05	0.07	0.10	23.01	
Tamalpais Valley	28.71	0.00	0.86	0.00	0.46	7.24	5.31	6.45	5.42	1.56	0.91	0.24	0.26	0.00	0.22	0.20	28.27	
Tiburon Topham	23.03	T	1.29	0.00	0.10	6.52	4.31	6.38	3.03	0.64	0.41	0.15	0.20	0.00	0.15	0.10	21.99	
NAPA-SOLANO																		
Angwin PUC	33.27	0.04	0.80	0.00	0.08	8.53	5.10	9.81	4.75	1.28	2.71	0.14	0.03	0.05	0.37	0.03	32.88	
Atlas Road	-	0.0	0.9	0.0	0.1	8.5	-	8.08	4.20	0.91	1.0	0.1	0.1	0.1	0.1	0.0	-	
Callistoga	26.80	T	0.59	0.00	0.13	7.73	4.89	8.08	4.61	0.14	0.00	0.19	0.08	T	0.27	0.09	26.57	
Carneros Valley	11.99	0.00	3.16	0.00	0.09	7.42	4.69	8.71	4.61	0.14	0.77	0.22	0.16	0.05	0.15	0.12	27.11	
Collinsville	-	0.00	0.00	0.00	1.16	1.87	3.60	1.88	0.53	0.19	2.06	0.10	0.00	-	-	-	-	
Duvernay 1S	12.44	0.00	0.00	0.00	0.00	2.70	3.45	3.22	2.22	0.73	0.47	0.20	0.05	0.12	0.10	0.13	12.79	
Duttons Landing	17.77	0.00	0.93	0.00	0.02	5.19	3.49	4.10	2.87	0.23	0.66	0.16	0.12	0.06	0.20	0.20	17.33	
Fairfield	14.79E	0.00	0.20	0.00	0.03	4.64E	4.12	2.32	2.32	0.23	0.41	0.14	0.08	0.10	0.23	0.17	15.06E	
Fairfield Police Sta	16.00	0.00	0.43	0.00	0.94	2.63	4.46	2.63	2.49	0.26	0.37	0.45	0.00	0.08	0.18	0.37	16.20	
Green Valley	23.78	0.00	0.17	0.00	0.08	7.29	4.57	6.38	3.78	0.49	0.94	0.05	0.00	0.09	0.03	0.18	23.91	
Lake Curry	21.17	0.00	0.24	0.00	0.10	6.52	3.97	6.16	3.25	0.38	0.80	0.15	0.16	T	0.10	0.04	21.07	
Mare Island Navy	14.53	0.00	0.36	0.00	0.05	2.60	2.80	2.60	2.80	0.24	0.00	0.12	0.12	0.05	0.10	0.19	14.51	
Napa 5 NWW	-	0.04	1.10	0.00	0.02	5.11	3.83	9.81	2.74	0.42	0.60	-	-	-	-	-	-	
Napa State Hospital	20.10	0.04	0.85	0.00	0.03	5.11	3.78	5.69	3.14	0.33	0.75	0.19	0.19	0.04	0.18	0.06	19.49	

- No record or record incomplete
T Trace
RE Record ends
RB Record begins
E Estimated

TABLE A-2

PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation in Inches												Total Oct.1 To Sept.30			
	1965						1966									
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SAN FRANCISCO BAY AREA																
MAFA-SOLANO																
Oakville 1 NW	-	-	-	0.05	8.19	4.37	7.28	4.19	-	-	0.81	0.12	-	0.26	0.27	
Saint Helena	28.87	0.02	T	0.3	7.76	5.61	6.93	3.87	0.90	-	0.81	0.12	-	0.32	0.23	
St Helena 4, NSW	35.64	0.0	0.0	0.3	9.3	5.8	10.1	5.2	2.2	1.9	0.1	0.1	0.0	0.2	0.1	
Verona Rd	28.64	0.03	0.00	0.03	7.29	4.93	10.22	3.85	0.47	0.75	0.09	0.15	0.20	0.28	0.07	
Wild Horse Valley	24.91	0.00	0.00	0.08	8.37	5.37	6.75	4.21	0.38	0.71	0.05	0.60	0.07	0.20	0.10	
Yountville Gamble	-	0.11	T	0.04	6.34	5.11	-	-	-	-	-	-	-	-	-	
EAST BAY																
Alamo 1 N	15.60	0.05	0.00	T	5.23	4.25	2.70	2.04	0.31	0.45	0.35	0.02	0.17	0.20	0.16	
Berkley	17.76	0.0	0.0	0.17	5.72	3.56	4.79	3.41	0.67	0.73	0.16	0.12	0.09	0.17	0.13	
Concord 3 E	11.71	0.00	0.02	0.04	5.84	4.72	2.99	2.44	0.36	0.51	0.30	0.05	0.16	0.17	0.16	
Crockett	16.85	0.00	0.00	0.05	5.01	4.77	2.69	2.76	0.33	0.30	0.23	0.02	0.18	0.15	0.18	
Hayward 6 ESE	17.43	0.00	0.01	0.24	5.74	4.97	2.26	2.61	0.49	0.79	0.11	0.10	0.16	0.08	0.16	
Lafayette 2 NNE	19.69	0.00	0.00	0.05	4.03	4.38	3.30	2.62	0.21	0.45	0.21	0.07	0.12	0.13	0.12	
Marinez 3 S	16.12	0.0	0.0	0.04	4.81	4.24	2.97	2.49	0.24	0.49	0.21	0.04	0.14	0.18	0.14	
Marinez 3 SSE	16.12	T	0.0	T	4.81	4.24	2.97	2.49	0.33	0.61	0.45	0.06	0.58	0.20	0.13	
Marinez Fire Stn	15.39	0.16	T	T	4.95	4.16	2.59	2.33	0.24	0.64	0.17	0.14	0.07	0.18	0.02	
Mount Diablo N Gate	15.57	0.00	0.02	0.04	5.15	4.07	2.10	2.25	0.64	0.86	0.41	0.03	0.20	0.05	0.17	
Oakland 39th Ave	19.97	0.00	0.02	0.22	6.00	4.09	3.73	3.74	1.01	0.64	0.35	0.07	0.19	0.13	0.14	
Oakland City Hall	16.31	T	0.00	0.00	4.94	3.09	4.19	2.99	0.57	0.35	0.13	0.05	0.01	0.08	0.09	
Oakland VR AP	13.51	0.01	0.06	T	4.29	3.63	2.15	2.12	0.49	0.39	0.28	0.02	0.18	0.17	0.18	
Port Chicago MAD	12.04	0.00	0.17	T	4.82	4.20	3.48	1.31	0.24	0.50	0.28	0.02	0.18	0.17	0.18	
Richmond	18.03	0.00	0.00	0.08	4.99	3.70	4.76	3.01	0.51	0.37	0.17	0.06	0.05	0.08	0.14	
Sacramento College	20.67	0.04	0.07	T	6.89	5.21	3.84	2.93	0.55	0.74	0.23	0.09	0.15	0.17	0.16	
Upper San Leandro Ffl	17.96	0.02	0.10	T	5.48	4.22	2.88	2.97	0.84	0.73	0.34	0.00	0.14	0.14	0.15	
Walmer School	16.08	T	0.00	T	5.20	4.39	2.91	2.51	0.23	0.33	0.39	0.09	0.14	0.14	0.19	
Walnut Creek 2 ESE	13.71	0.03	0.18	T	4.67	3.75	2.34	1.92	0.32	0.10	0.37	0.03	0.16	0.17	0.17	
Walnut Creek 2 ENE	11.99	0.00	0.00	0.00	4.36	3.27	2.05	1.36	0.22	0.24	0.30	0.05	0.20	0.21	0.18	
Walnut Creek 4 E	11.92	0.01	0.20	0.01	4.30	3.16	1.93	1.36	0.23	0.28	0.30	0.02	0.17	0.16	0.18	

- No record or record incomplete
T Trace

TABLE A-2
PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation in Inches												Total To Sept.30				
	1965						1966										
	Total July 1 To June 30	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May		June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA																	
ALAMEDA CREEK																	
Calaveras Reservoir	15.22	0.00	0.35	0.00	0.11	6.01	4.00	1.72	1.82	0.56	0.45	0.12	0.08	0.27	0.00	0.21	15.35
Cerber Ranch	13.07	T	0.65	0.00	0.00	6.18	2.91	1.18	1.01	0.38	0.30	0.34	0.11	0.26	0.00	0.02	12.70
Livermore Sewage Pit	10.79	0.00	0.02	0.00	0.03	4.03	3.09	1.63	0.97	0.20	0.36	0.15	0.10	0.18	0.00	0.11	10.82
Livermore 2 SSW	10.63	T	0.21	T	0.03	4.22	3.23	1.05	1.17	0.17	0.33	0.10	0.12	0.17	0.00	0.11	10.70
Mount Hamilton	18.97	T	T	0.00	0.17	8.11	5.24	1.04	2.43	0.52	0.90	0.44	0.15	0.23	0.00	0.20	19.40
Newark	10.99	0.00	0.18	0.00	0.11	4.21	2.86	1.56	1.07	0.32	0.36	0.11	0.11	0.24	0.00	0.13	11.18
Sileen Pinnac	15.84	0.00	0.10	0.00	0.17	5.72	3.85	1.86	2.08	0.51	0.77	0.12	0.00	0.28	0.15	0.00	15.51
Pittsonton Nursery	15.94	0.08	0.10	0.00	T	6.15	4.15	2.21	2.44	0.18	0.37	0.13	0.13	0.15	T	0.09	16.00
SANTA CLARA VALLEY																	
Alamitos Perc Pond	12.43	0.00	0.11	0.00	0.03	5.10	3.95	1.40	1.12	0.26	0.28	0.14	0.04	0.24	0.00	0.11	12.67
Alhambra Reservoir	21.77	T	0.33	0.00	0.00	8.20	6.82	2.37	2.97	0.22	0.17	0.17	0.12	0.18	0.12	0.18	21.35
Black Mtn 2 SW	24.81	0.00	0.07	0.08	0.34	5.13	3.36	1.75	1.58	0.19	0.40	0.17	0.16	0.26	0.00	0.23	24.68
Calero Reservoir	15.77	T	0.15	0.00	0.00	5.74	4.23	1.31	1.33	0.26	0.33	0.11	0.04	0.25	0.00	0.13	13.64
Cambarian Park	15.41	T	0.15	0.00	0.01	5.64	4.23	1.31	1.33	0.26	0.33	0.11	0.04	0.25	0.00	0.13	13.64
Campbell Water Co	12.03	0.00	0.78	T	0.00	5.23	3.78	1.23	1.01	0.37	0.36	0.02	0.00	0.23	0.00	0.12	12.35
Coyote Reservoir	17.05	T	0.78	0.02	0.19	6.05	4.80	1.65	2.17	0.20	0.88	0.31	0.00	0.42	0.00	0.27	16.94
Evergreen	-	T	0.30	0.00	0.25	RE	RE	1.32E	1.61	0.09	1.00	0.24	0.00	0.38	0.00	0.12	16.48E
Gilroy 8 NE	16.30E	0.00	0.12	0.00	0.07	6.75	4.91	1.32E	1.61	0.09	1.00	0.24	0.00	0.38	0.00	0.12	16.48E
Guadalupe Reservoir	19.10	T	0.00	0.00	0.00	7.21	6.36	1.95	2.69	0.21	0.38	0.13	0.05	0.15	0.00	0.18	19.41
Lesay Anderson Dam	13.86	T	0.50	0.17	0.17	5.19	4.20	1.55	1.33	0.19	0.33	0.16	0.07	0.32	0.00	0.15	13.66
Washington Reservoir	25.00	0.00	0.20	0.00	0.00	9.42	6.79	3.44	4.04	0.25	0.69	0.12	0.05	0.41	0.02	0.20	25.43
Los Gatos 1	15.93	0.00	0.12	0.00	0.00	5.87	5.10	1.91	2.36	0.22	0.25	0.07	0.03	0.31	0.01	0.14	16.27
Los Gatos Wright	35.16	T	0.21	0.00	T	6.00	4.63	1.72	1.95	0.25	0.26	0.11	0.03	0.30	0.00	0.14	35.39
Los Gatos 4 SW	35.39	T	0.08	0.00	T	11.86	12.43	4.36	5.31	0.25	0.85	0.15	0.00	0.40	0.10	0.50	36.39
Morgan Hill 2 E	14.65	T	0.50	0.00	0.21	5.67	4.49	1.43	1.60	0.18	0.37	0.11	0.06	0.32	0.00	0.15	14.63
Morgan Hill 6 NW	16.29E	0.00	0.41E	0.00	0.00	4.46	3.21	1.47	1.09	0.50	0.46	0.06	0.06	0.32E	0.00	0.09E	16.28E
Palo Alto City Hall	13.12	T	0.43	0.00	0.30	4.30	3.67	1.75	1.44	0.56	0.57	0.08	0.02	0.13	0.04	0.10	12.96
Palo Alto Mountain	13.12	T	0.43	0.00	0.30	4.30	3.67	1.75	1.44	0.56	0.57	0.08	0.02	0.13	0.04	0.10	12.96
Redwood City	14.81	0.00	0.07	0.01	T	4.45	5.17	2.18	1.81	0.24	0.66	0.13	0.09	0.30	0.04	0.10	15.17
San Jose	10.57	T	0.16	T	0.25	3.98	3.20	1.19	0.98	0.36	0.37	0.05	0.02	0.21	T	0.19	10.81
San Jose Decid FFS	11.20	0.00	0.06	0.00	0.15	4.67	3.27	1.24	1.13	0.31	0.33	0.06	0.02	0.21	0.00	0.13	11.48
Santa Clara Univ	11.97	T	0.07	0.00	0.30	4.67	3.25	1.68	1.13	0.38	0.45	0.04	0.00	0.21	0.00	0.17	12.28
Saratoga Clark	15.30	T	0.10	0.00	0.02	6.62	4.33	1.53	1.83	0.36	0.59	0.08	0.02	0.16	0.00	0.11	15.44
Saratoga Gap Maint	35.79	0.00	0.19	0.12	0.24	13.29	7.85	4.55	4.55	1.60	1.70	0.19	0.30	1.00	0.00	0.31	34.79

T No record or record incomplete
RE Record void
E Estimated

TABLE A-2

PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation in Inches												Total Oct 1 To Sept. 30			
	1965						1966									
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SAN FRANCISCO BAY AREA																
SANTA CLARA VALLEY																
Saratoga Krigege	T	-	0.00	0.01	6.94	4.95	1.53	2.14	0.33	0.42	0.07	0.02	0.36	0.01	0.11	16.89
Searsville Lake	T	0.03	0.03	0.01	6.65	6.74	3.47	3.00	0.61	0.77	0.07	0.00	0.24	0.12	0.08	21.76
Stevens Creek Res.	T	0.00	0.00	0.00	5.98	5.69	2.49	3.11	0.26	0.36	0.08	0.03	0.10	0.12	0.22	22.10
Wasona Reservoir	T	0.02	0.00	0.00	10.18	7.77	4.13	4.18	0.28	1.30	0.08	0.03	0.31	0.01	0.08	33.71
Wright's	0.00	0.19	0.00	0.00	10.18	7.77	4.13	4.33	0.28	1.30	0.28	0.10	0.46	0.00	0.39	29.22
BAYSIDE SAN MATEO																
Burlingame	0.00	0.23	0.00	0.00	6.18	4.80	3.09	3.25	0.54	0.41	0.12	0.00	0.00	0.09	0.10	18.58
San Francisco WB AP	T	0.29	T	T	5.40	5.02	2.70	3.18	0.59	0.40	0.12	0.04	0.03	0.09	0.08	17.65
San Francisco RDB	0.02	0.49	T	0.01	4.79	3.31	3.27	2.72	0.80	0.36	0.19	0.17	0.06	0.10	0.10	16.08
San Mateo	0.00	0.16	0.00	0.00	5.55	2.34	2.28	2.34	0.77	0.45	0.21	0.00	0.80	0.06	0.00	15.00
COAST SAN MATEO																
Half Moon Bay	T	0.23	T	T	5.58	4.96	3.77	3.51	0.68	0.71	0.20	T	0.12	0.27	0.25	20.05
La Honda	0.00	0.18	0.04	0.39	7.63	5.64	3.50	3.54	1.16	1.28	0.21	0.15	0.12	0.10	0.12	23.84
Portola State Park	0.03	0.08	0.03	0.19	11.40	7.30	5.46	4.83	0.66	1.26	0.08	0.04	T	0.25	0.27	31.74
San Francisco Sunset	T	1.20	0.00	T	5.19	3.81	3.55	3.90	0.70	0.72	0.25	0.22	0.02	0.31	0.10	17.97
San Gregorio 2 SE	0.02	0.25	0.03	0.22	6.03	5.68	3.88	3.88	0.85	0.96	0.30	0.16	0.11	0.22	0.17	21.15

- No record or record incomplete
T Trace

TABLE A-2

PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation in Inches												Total Oct 1 To Sept 30			
	1965						1966									
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
NORTH COASTAL AREA																
MENDOCINO COAST																
Bonville HMS	35.72	0.00	0.00	0.50	11.21	5.80	8.72	5.67	2.16	1.22	0.06	T	0.00	0.20	0.15	35.69
Bonville-Farrar	37.92	0.07	0.00	T	16.03	7.23	5.48	4.29	2.93	1.25	T	T	T	0.30	0.13	37.74
Clovesdale 11 W	37.77E	0.00	0.00	0.34	13.34	7.38	16.86E	7.88	4.77	2.63	0.35	0.02E	0.00	0.53	0.11	37.68E
Fort Bragg	33.40E	0.00	0.00	0.58	10.84	6.30	8.22	7.43	3.16	1.60	0.52	0.00	0.00	0.25	0.11	33.33E
Fort Bragg Aviation	33.10E	0.08	0.04	0.58	10.08	3.90	8.22	4.72	3.34	1.60	0.27	0.07	0.03	0.16	0.42	33.39
Fort Ross	35.32	0.16	0.38	0.39	10.53	4.02	8.15	6.40	3.27	1.49	0.34	0.13	T	0.26	0.45	35.19
Navarro 1 NW	32.53	0.00	0.00	0.30	8.66	5.13	9.71	4.18	2.52	1.55	0.03	0.00	0.00	0.10	0.45	32.63
Philo 2 NW	35.73	0.06	0.44	0.14	10.20	5.74	10.27	4.97	2.61	1.30	0.00	0.00	0.00	0.00	0.25	35.48
Philo 4 NW	35.83	0.09	0.33	0.33	10.40	5.40	9.31	5.48	2.97	1.47	0.02	0.03	0.00	0.27	0.24	35.92
Point Arena	34.87	0.23	0.27	0.11	9.01	5.48	8.38	5.34	3.79	1.33	0.14	0.05	0.06	0.29	0.19	34.60
Skaggs Spr. Las Lomas	61.69	0.02	0.60	0.35	17.16	11.53	14.91	9.86	3.96	2.44	0.59	0.07	0.00	1.38	0.20	62.45
Yorville	46.70	0.03	0.47	0.13	14.0	7.7	12.2	7.0	3.2	1.7	0.1	0.0	0.0E	0.1E	0.1E	46.40E
RUSSIAN RIVER																
Alpine Dam	40.95	0.00	0.00	0.28	7.91	5.61	13.99	8.44	2.28	1.75	0.12	0.11	0.00	0.27	0.07	40.83
Slakens Landing	26.20	0.00	0.00	0.20	6.87	3.84	8.99	3.52	1.26	0.87	0.20	0.10	0.00	0.20	0.15	26.20
Bon Tempe Dam	22.32	0.00	0.00	0.00	7.43	3.36	10.33	6.73	0.94	1.11	0.10	0.10	0.00	0.04	0.24	22.32
Clayton	72.32	0.00	0.00	0.13	17.43	11.77	11.88	13.00	2.66	1.50	0.29	0.09	0.00	0.00	0.13	72.32
Clovesdale 3 SSE	47.87	0.03	0.50	0.13	13.96	7.57	11.88	7.26	2.66	1.50	0.29	0.09	0.00	0.09	0.12	47.55
Coyote Dam	31.10	0.00	0.62	0.00	9.73	3.95E	8.94E	4.68	1.56	1.24	0.03	T	0.00	0.46	0.13	31.07
Geyersville Hocking	-	0.03	0.50E	0.00	11.43	6.66	11.27	5.28	-	-	-	-	-	-	-	-
Graton	35.35	0.02	0.32	0.00	10.00	4.92	11.27	5.28	1.57	1.33	0.20	0.11	0.00	0.24	0.30	35.55
Graton 1 W	33.97	0.01	0.45	0.00	10.16	5.00	11.35	5.56	1.49	1.41	0.16	0.10	0.00	0.24	0.29	36.04
Guerneville	43.29	T	0.40	0.00	12.22	6.95	12.64	5.78	2.93	1.83	0.18	0.10	0.00	0.12	0.17	43.18
Headlands	40.06	0.04	0.49	0.00	12.42	6.61	11.33	6.29	1.34	1.25	0.13	0.05	T	0.11	0.11	39.75
Headlands 2 E	38.17	0.04	0.52	0.00	11.51	6.16	10.70	6.19	1.41	1.25	0.14	0.10	0.00	0.20	0.13	37.94
Hopland Lakego Sta	32.28	0.02	0.00	0.14	10.91	5.16	7.66	4.82	1.76	1.15	0.11	T	0.00	0.05	0.25	32.01
Inverness Mary	32.55	0.00	0.50	0.00	7.60	4.70	10.70	5.60	1.85	1.15	0.10	0.10	T	0.40	0.40	32.85
Kelleys	43.33	T	0.74	0.01	11.35	6.65	12.10	6.12	2.36	3.32	0.22	0.14	0.00	0.34	0.77	43.69
Kent Lakin	46.76	0.00	0.54	0.00	9.42	7.11	16.01	8.23	2.89	2.05	0.21	0.15	0.00	0.27	0.42	46.91
Knights Valley	26.50E	0.01E	0.69E	0.23	11.32E	5.81	10.42	4.62	1.28	2.22E	0.15E	0.08E	0.00E	0.39E	0.47	26.81E
Loma Prieta	33.36	0.00	0.00	0.85	8.00	5.15	10.36	6.33	3.21	1.74	0.16	0.10	0.00	0.13E	0.13E	33.36
Mc Tumalpais 2 SW	30.57	0.00	0.33	0.00	8.26	4.70	9.85	5.62	0.81	0.85	0.15	0.00	0.00	0.00	0.18	30.42

- No record or record incomplete
T Trace
E Estimated

TABLE A-2

PRECIPITATION DATA
CENTRAL COASTAL AREA

Station Name	Precipitation in inches												Total July 1 To June 30	Total Oct. 1 To Sept. 30		
	1965						1966									
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June			July	Aug.
NORTH COASTAL AREA																
RUSSIAN RIVER																
Novato 8 NW	0.00	0.34	0.00	0.07	6.68	3.92	6.19	3.33	1.84E	0.69	0.10	0.18	0.00	0.28	0.21	23.49E
Occidental	0.00	0.58	0.00	0.40	13.92	6.41	15.83	7.84	3.28	2.34	0.13	0.23	0.00	0.32	0.27	50.97
Potter Valley 3 SE	0.00	0.56	0.00	0.22	7.78	2.06	6.49	3.27	1.81	2.10	0.04	0.00	0.00	0.46	0.25	24.48
Potter Valley PH	0.00	0.66	0.00	0.40	10.88	5.49	11.66	5.02	2.89	2.38	0.00	0.00	0.00	0.45	0.06	39.25
Redwood Valley	0.05	0.54	0.00	0.28	9.43	4.33	7.84E	4.28E	1.67E	1.81	0.07	0.00	0.00	0.57	0.07	23.95E
Santa Rosa Sewage Plt	0.03	0.51	0.00	0.23	6.90	3.21	7.24	3.33	0.95	1.44	0.19	0.12	0.00	0.13	0.27	24.01
Santa Rosa 1	0.01	0.50	0.00	0.23	6.11	3.74	8.62	3.30	0.97	1.31	0.21	0.13	0.00	0.12	0.35	25.09
Santa Rosa 4 SSE	0.01	0.4	0.0	0.3	7.9	4.1E	7.9E	3.6	1.0	1.1	0.1	1.0E	0.0	0.2	0.1	27.3E
The Geysers	0.03	0.46	0.00	0.21	15.44	9.75	13.37	7.18	1.99	1.95	0.26	0.09	0.00	0.00	0.15	50.39
Ukiah	0.02	0.57	T	0.23	10.40	6.34	9.78	4.67	1.94	1.47	0.03	0.01	0.00	0.34	0.11	35.32
Ukiah 4 NSW	0.01	0.22	T	0.50	11.80	6.54	11.80	5.15	3.61	1.99	0.06	0.07	T	0.61	0.21	42.14
Venado	0.00	0.51E	0.00	0.23	15.57	8.21E	11.31	7.09	2.99	2.29	0.15	0.15	0.00	0.26	0.15	36.67
Woodacre	T	0.48	0.00	0.03	8.16	7.40	11.31	7.09	0.79	1.09	0.10	0.15	0.01	0.21	0.33	

T No record or record incomplete

E Estimated

Temperature Data

The definition of terms and the abbreviations used in connection with temperature data are as follows:

Maximum - The highest temperature of record for the month.

Minimum - The lowest temperature of record for the month.

Avg Max - The arithmetic average of daily maximum temperatures for the month.

Avg Min - The arithmetic average of daily minimum temperatures for the month.

Average - The arithmetic average of the daily maximum and minimum temperatures for the month.

TABLE A-3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT																
	1965						1966										
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.		
CENTRAL COASTAL AREA																	
SANTA CRUZ COAST																	
BEN LOMOND	88 49 79.2 55.2 66.1	90 53 80.7 52.0 68.0	88 45 74.1 52.0 63.1	87 38 76.1 46.6 61.4	71 31 59.4 43.5 51.5	RE	69 40.0 32.7 46.4	69 59.7 34.8 47.3	91 67.7 38.1 52.9	91 75.9 40.0 58.0	92 74.7 43.2 59.0	101 83.2 46.4 63.8	97 83.8 46.4 65.1	98 85.8 48.1 67.0	96 84.9 44.1 64.5	86 38 80.9 48.1 64.5	
BEN LOMOND #2																	
	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	RE BB	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average	Maximum Minimum Avg Max Avg Min Average
DAVENPORT	68 46 61.7 50.4 56.1	78 50 66.5 53.5 60.0	70 47 64.4 51.5 58.0	95 46 71.5 52.9 62.2	69 41 57.2 43.7 50.6		68 37 57.2 43.4 50.6	65 40 55.5 43.4 49.4	75 34 58.3 44.0 51.2	77 41 62.5 48.0 53.6	63 43 58.9 48.0 53.4	74 43 62.3 49.7 55.6	80 45 62.0 49.7 55.8	73 46 63.0 50.1 56.6	87 46 67.2 50.1 59.7	87 46 67.2 50.1 59.7	
SANTA CRUZ	83 40 74.7 50.4 62.6	98 48 79.7 52.6 66.2	89 40 75.8 48.5 62.2	102 39 80.6 47.7 64.2	77 34 65.5 44.8 53.1		67 26 59.5 39.0 47.9	70 28 59.8 40.4 48.4	88 28 63.1 40.4 52.8	89 36 70.8 43.9 57.4	84 39 69.1 46.6 57.9	87 38 76.5 47.0 61.8	90 44 76.0 49.3 62.3	86 42 74.4 50.4 62.4	97 41 81.6 50.4 64.0	97 41 81.6 50.4 64.0	
PAJARO-SAN BENITO RIVERS																	
GILROY	95 47 85.3 52.6 69.0	98 51 88.4 55.3 71.9	92 41 80.7 49.2 65.0	96 39 83.4 46.2 64.8	76 33 65.7 42.7 54.2		67 23 58.8 32.1 45.6	73 27 60.3 35.8 48.1	82 28 67.6 41.2 54.4	93 37 77.4 45.0 61.2	97 41 77.8 46.7 62.3	106 40 84.7 49.9 67.3	97 47 85.2 51.1 68.2	102 44 89.4 51.1 71.3	98 43 84.6 50.8 67.7	98 43 84.6 50.8 67.7	
QUEEN SABE - HAY CAMP	95 39 84.5 46.9 63.7	93 42 86.1 50.0 66.1	90 33 77.9 40.7 59.3	94 32 82.0 49.2 60.6	- - - - -		68 16 58.1 29.1 42.6	74 18 58.4 30.2 44.3	89 21 67.3 35.0 51.2	88 25 73.2 36.3 53.8	90 31 76.8 41.4 59.1	100 32 80.5 46.2 62.4	96 39 83.8 48.9 69.8	98 43 89.0 50.4 69.8	96 34 81.9 43.6 63.8	96 34 81.9 43.6 63.8	
WATSONVILLE WATERMANS	75 48 68.4 51.6 60.0	92 49 73.4 44.8 63.7	83 41 70.0 49.7 59.9	96 38 78.2 47.6 62.9	71 36 57.5 34.5 46.0		67 28 59.2 37.9 47.4	72 30 59.0 37.9 48.5	80 28 62.0 42.0 52.2	89 36 68.9 46.0 57.5	74 40 64.3 48.8 56.6	87 39 71.3 48.8 60.1	80 47 69.5 51.7 60.3	87 48 70.1 51.7 60.9	96 41 74.3 51.1 62.7	96 41 74.3 51.1 62.7	

RE Record ends
BB Record begins
- No record or record incomplete

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
LOWER SALINAS RIVER FREMONT PEAK STATE PARK	Maximum	102	91	94	76	84	66	68	87	87	94	100	97	100	96
	Minimum	45	46	42	37	30	22	29	26	36	38	38	40	41	42
	Avg Max	88.3	87.2	82.0	61.9	58.5	52.5	52.7	66.4	71.9	69.8	80.7	83.4	89.4	80.1
	Avg Min	60.2	60.7	58.1	53.1	48.9	36.0	39.6	41.2	46.7	47.3	54.5	58.5	62.7	54.2
	Average	74.3	74.0	67.2	57.6	51.6	44.2	46.3	53.8	59.3	58.6	67.6	71.0	76.1	67.2
KING CITY	Maximum	93	98	93	86	78	68	75	91	95	97	104	93	95	97
	Minimum	46	46	39	35	30	21	24	25	35	39	37	42	43	40
	Avg Max	81.9	84.8	80.0	67.0	61.3	59.4	62.3	70.9	78.9	78.5	83.5	82.7	84.0	84.0
	Avg Min	51.3	53.7	47.0	45.1	42.9	32.6	34.0	39.1	43.4	46.8	48.3	48.8	51.0	48.1
	Average	66.6	69.3	63.5	65.2	55.0	46.0	48.2	55.0	61.2	62.7	65.9	65.8	67.6	66.1
MONTEREY	Maximum	72	83	84	95	72	72	69	77	87	77	88	83	81	84
	Minimum	46	50	48	45	39	34	38	35	43	44	43	45	46	44
	Avg Max	64.2	70.0	69.2	73.6	64.6	57.6	58.6	61.1	65.7	61.9	67.8	67.6	67.6	72.2
	Avg Min	51.3	54.0	53.1	54.3	49.1	41.8	43.1	46.3	51.8	49.2	49.8	51.3	51.8	53.3
	Average	57.8	62.0	61.2	64.0	56.9	49.7	50.7	55.8	58.8	55.1	58.9	59.7	59.7	62.8
PINACLES NATIONAL MON	Maximum	101	103	98	101	80	78	72	93	94	97	105	105	107	104
	Minimum	41	46	38	36	30	21	24	23	32	32	28	35	43	37
	Avg Max	96.1	96.7	85.5	86.9	66.4	59.0	59.9	70.7	80.8	83.9	89.5	92.8	98.8	89.2
	Avg Min	48.3	51.8	44.7	45.5	41.4	31.8	32.8	36.8	40.5	44.0	46.0	46.6	51.2	47.5
	Average	71.2	73.3	65.1	66.2	53.9	45.4	46.4	53.8	60.7	64.0	67.8	69.7	75.0	68.4
PRIEST VALLEY	Maximum	99	103	94	97	78	76	66	86	87	92	104	102	103	100
	Minimum	40	39	30	26	21	15	14	16	25	31	29	38	36	31
	Avg Max	92.1	93.0	82.1	82.7	61.4	55.1	54.9	65.8	75.8	79.3	87.2	90.8	95.3	83.4
	Avg Min	47.7	48.8	38.3	35.3	35.4	26.7	24.8	30.3	34.2	40.1	46.0	46.0	50.7	41.6
	Average	69.9	70.9	60.2	59.0	48.4	40.4	40.1	48.1	55.0	59.7	65.6	68.4	73.0	63.3
SALINAS 2 E	Maximum	76	88	90	97	76	72	68	83	90	77	90	87	86	99
	Minimum	50	50	44	39	36	26	21	20	29	39	41	43	46	45
	Avg Max	70.0	75.3	73.8	78.5	68.4	58.3	60.7	68.8	69.9	66.8	72.0	70.9	72.4	76.5
	Avg Min	53.0	54.0	49.0	49.0	38.4	32.4	36.7	38.6	41.8	49.2	50.3	51.9	53.2	52.0
	Average	61.5	65.0	62.5	64.1	53.9	47.4	48.7	49.3	53.3	58.5	61.2	61.4	62.8	64.3
SALINAS de DANFIERRE	Maximum	72	86	83	92	69	69	70	76	83	73	83	-	86	85
	Minimum	40	40	38	40	38	24	28	28	35	35	39	-	51	41
	Avg Max	65.7	70.0	67.3	73.9	60.6	56.7	57.5	61.0	63.4	60.6	65.5	-	69.6	68.0
	Avg Min	48.7	55.2	49.2	46.8	35.6	36.5	36.5	39.9	43.4	46.4	46.7	-	55.4	50.9
	Average	59.6	62.6	58.2	60.4	48.1	46.2	47.0	50.4	53.4	53.5	56.1	-	62.5	59.4

- No record or record incomplete

TABLE A - 3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
LOWER SALINAS RIVER SALINAS FAA AIRPORT	Maximum	88	91	99	76	70	68	73	83	96	78	89	86	85	97
	Minimum	50	45	41	35	35	27	29	29	36	42	44	47	49	42
	Avg Max	69.0	73.9	78.9	65.8	58.2	60.6	60.1	66.0	72.9	65.9	70.1	69.8	70.9	74.6
	Avg Min	52.5	55.5	52.4	50.8	45.6	37.2	37.6	42.5	48.4	48.8	50.3	52.0	52.6	51.4
Average	60.8	64.7	63.2	64.9	55.7	47.4	48.9	54.3	60.7	57.4	60.2	60.9	61.8	63.0	
SOLEDAD CTF	Maximum	78	92	91	96	78	67	71	88	95	88	98	84	89	97
	Minimum	44	47	40	37	36	27	27	31	37	40	39	44	46	41
	Avg Max	72.8	76.9	74.9	81.5	65.3	57.5	60.0	66.3	73.1	69.6	75.1	76.4	76.4	76.9
	Avg Min	50.2	52.8	48.1	46.8	44.9	35.2	36.4	40.4	44.9	47.1	48.1	49.8	51.7	49.9
Average	61.5	64.9	61.5	64.2	55.1	46.4	47.2	53.4	59.0	58.4	61.6	61.8	61.8	63.4	
SPRECKELS	Maximum	75	83	90	96	77	71	74	82	82	78	88	80	84	98
	Minimum	41	42	40	43	35	25	26	27	37	40	46	46	47	47
	Avg Max	68.2	71.8	74.8	80.1	68.2	62.5	64.8	70.7	75.9	74.3	76.3	76.8	76.8	76.8
	Avg Min	47.8	47.8	42.9	36.9	34.9	-	-	-	-	51.7	51.7	50.8	50.8	50.8
Average	-	-	-	64.0	55.6	48.7	-	-	-	-	63.0	63.0	-	61.9	63.8
UPPER SALINAS RIVER	Maximum	102	102	90	94	86	68	75	85	92	96	106	102	105	100
	Minimum	46	50	42	36	32	24	23	24	36	40	40	45	44	41
	Avg Max	89.8	94.2	80.2	82.2	65.8	58.8	61.9	70.2	78.5	80.5	88.5	89.7	95.5	85.6
	Avg Min	53.4	57.6	47.4	44.1	43.9	30.3	29.9	37.6	44.1	47.4	52.0	52.6	56.0	51.0
Average	71.6	75.9	63.8	63.2	54.9	44.8	44.4	46.6	53.9	61.3	70.3	71.2	75.8	68.3	
LLAN RANCH	Maximum	100	100	93	97	86	63	66	83	89	92	102	101	104	96
	Minimum	46	46	41	36	34	24	25	25	35	39	46	46	49	49
	Avg Max	90.5	92.7	80.8	83.1	71.8	54.8	57.7	67.7	75.9	78.1	87.3	90.4	96.0	83.3
	Avg Min	53.7	58.2	49.5	44.9	44.9	32.5	34.5	39.2	44.4	47.5	53.0	53.7	59.0	51.9
Average	72.1	75.5	65.2	64.0	58.4	43.7	46.1	53.5	60.2	62.8	70.2	72.1	77.0	67.6	
MACHIENTO DAM	Maximum	103	104	100	100	86	66	69	90	94	97	107	105	109	102
	Minimum	43	47	41	36	31	22	24	24	24	27	36	44	42	42
	Avg Max	94.4	97.0	84.8	87.1	66.7	58.1	59.6	70.5	80.3	82.5	90.3	93.3	98.6	85.2
	Avg Min	50.2	54.2	47.2	45.5	43.3	33.1	32.6	33.3	37.9	43.4	44.5	48.6	51.4	49.2
Average	72.3	75.6	66.0	66.3	55.0	45.3	46.5	54.2	61.9	63.5	69.4	71.0	75.0	67.2	
PASO ROBLES	Maximum	101	101	97	96	80	68	73	90	92	96	105	105	105	98
	Minimum	40	46	35	30	29	19	22	22	32	35	36	39	40	35
	Avg Max	84.8	83.7	86.9	86.9	66.9	58.6	61.3	71.1	80.6	79.0	88.6	92.1	95.0	87.0
	Avg Min	48.4	52.8	44.9	39.2	40.8	30.1	30.3	31.8	37.1	44.0	48.0	47.1	49.0	46.8
Average	69.6	73.8	65.2	63.1	53.8	44.4	44.7	54.1	60.0	61.5	68.3	69.6	72.0	67.0	

- No record or record incomplete

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
UPPER SALINAS RIVER PASO ROBLES FAA AP	Maximum	105	98	96	79	69	66	73	91	94	101	111	109	110	104
	Minimum	42	39	34	30	22	22	24	24	35	33	31	36	46	47.2
	Avg Max	92.5	83.5	85.8	65.8	57.4	57.2	61.4	70.9	72.0	83.1	91.3	91.3	98.3	97.2
	Avg Min	51.6	54.8	46.6	43.8	31.1	33.5	31.8	37.1	42.9	47.3	51.8	57.3	57.3	54.7
Average	72.1	73.6	65.1	64.6	53.8	44.3	43.9	46.1	54.0	61.5	64.2	71.6	73.2	76.5	69.2
SAN ANTONIO MISSION	Maximum	105	98	100	80	72	68	69	91	93	95	107	105	110	107
	Minimum	41	38	32	30	21	19	20	22	33	35	31	39	39	35
	Avg Max	96.8	87.6	89.2	65.9	58.7	60.1	60.2	71.5	80.4	85.4	91.6	94.5	101.2	90.8
	Avg Min	48.9	51.5	42.4	40.8	29.1	28.5	31.1	34.9	38.3	41.7	45.3	46.2	50.0	45.2
Average	72.9	74.5	65.0	65.0	53.0	43.9	44.3	45.7	53.2	59.4	63.6	68.5	70.4	75.6	68.0
TEMPLETON	Maximum	103	96	97	77	74	67	71	90	94	97	106	103	107	100
	Minimum	42	46	48	34	32	20	24	25	37	38	37	41	41	39
	Avg Max	85.2	92.1	80.4	64.7	57.9	57.3	58.6	69.5	76.1	75.4	87.1	89.0	92.8	85.1
	Avg Min	50.3	53.9	45.3	41.6	43.1	32.4	33.3	38.7	42.9	45.3	49.2	50.2	52.8	46.2
Average	67.8	73.0	62.9	61.3	53.9	45.1	44.8	43.5	54.1	59.5	60.4	68.2	69.6	72.8	66.9
MONTREY COAST	Maximum	79	93	94	99	78	70	71	87	94	85	95	91	94	101
	Minimum	37	41	40	37	34	25	24	28	33	33	35	41	40	40
	Avg Max	73.4	79.5	76.4	61.0	67.9	61.8	60.8	65.8	72.7	70.3	77.2	75.4	79.9	81.0
	Avg Min	46.2	49.7	46.4	48.2	42.4	34.3	35.6	38.2	43.2	44.5	47.3	47.4	49.5	49.6
Average	59.8	64.6	61.4	65.3	55.2	47.8	48.1	48.2	52.0	58.0	57.4	62.3	61.4	64.5	65.3
ROOSEVELT RANCH	Maximum	88	81	89	82	61	68	65	77	84	82	87	84	85	87
	Minimum	51	52	53	48	42	42	42	38	48	42	48	47	51	52
	Avg Max	68.6	77.5	69.0	76.1	55.9	58.2	57.5	62.1	65.8	63.7	71.0	71.6	72.6	73.6
	Avg Min	54.1	60.8	56.5	62.4	47.0	48.0	46.9	49.3	52.0	51.1	57.9	56.7	57.3	56.7
Average	61.4	69.2	62.8	69.3	58.1	53.1	52.2	55.7	58.9	57.4	64.4	64.2	65.1	66.2	

- No record or record incomplete

TABLE A-3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA MARIN-SONOMA KENTFIELD	Maximum	95	89	93	75	65	70	66	77	87	89	104	91	96	97
	Minimum	47	42	44	34	27	31	34	30	38	41	43	46	46	47
	Avg Max	83.2	76.2	79.8	63.4	51.9	56.7	58.5	63.1	73.3	72.9	81.8	80.9	83.3	82.9
	Avg Min	49.5	47.9	49.9	47.4	36.2	37.3	38.9	42.2	45.3	46.4	50.9	50.0	51.1	52.6
Average	64.0	62.1	64.9	55.4	44.1	47.0	48.7	52.7	59.3	59.7	66.4	65.5	67.2	67.8	
PETRALOMA FIRE STA. #2	Maximum	93	93	93	78	61	72	69	83	89	91	100	93	100	100
	Minimum	44	39	42	30	26	26	28	26	35	38	40	45	43	44
	Avg Max	80.2	84.2	79.2	81.8	64.4	58.5	59.1	63.6	73.1	72.1	79.9	79.6	83.5	81.2
	Avg Min	50.5	53.2	49.8	47.8	46.6	34.2	37.0	41.1	43.7	46.5	50.0	49.9	51.2	52.2
Average	65.4	68.7	64.5	64.8	55.5	43.1	47.8	52.4	58.4	59.3	65.0	64.8	67.4	66.7	
SAN RAFAEL	Maximum	86	95	90	92	76	73	66	87	90	91	102	91	92	97
	Minimum	42	49	46	47	37	31	34	31	42	39	45	48	47	48
	Avg Max	79.2	84.2	77.7	82.3	65.3	60.7	60.8	65.5	76.7	76.0	81.6	80.1	83.0	82.0
	Avg Min	51.3	54.0	50.2	52.7	48.7	40.7	41.5	43.8	47.2	48.0	53.0	52.0	53.2	55.3
Average	65.3	69.1	64.0	67.5	57.0	50.7	51.2	54.7	62.0	62.0	67.3	66.1	68.1	68.7	
SONOMA	Maximum	99	95	95	78	63	71	68	89	93	93	106	100	105	102
	Minimum	42	44	34	28	24	24	26	24	33	37	36	42	43	41
	Avg Max	87.5	82.0	84.1	64.6	52.8	59.1	60.9	66.7	77.4	77.9	86.1	82.7	87.7	85.5
	Avg Min	47.7	50.3	44.6	43.1	42.6	34.7	38.3	39.3	46.1	44.5	46.0	50.7	49.1	47.2
Average	67.6	65.1	63.3	63.0	53.0	46.9	48.1	53.3	59.9	61.2	66.4	66.5	69.8	67.1	
NAPA-SOLANO ANGWIN PACIFIC UNION G	Maximum	97	94	89	78	60	62	61	79	83	87	102	96	101	98
	Minimum	42	49	42	38	29	26	28	25	38	37	35	42	42	40
	Avg Max	85.1	85.3	76.1	77.0	56.5	50.6	50.9	57.5	70.5	74.1	82.6	83.8	88.6	80.6
	Avg Min	51.9	54.6	48.0	51.9	43.0	36.5	35.6	40.4	47.4	46.9	51.9	50.5	54.3	51.3
Average	68.5	70.0	62.1	64.5	49.8	43.6	43.3	49.0	59.0	60.5	67.3	67.2	71.5	66.0	
CALISTOGA	Maximum	97	95	94	101	77	70	71	84	89	93	105	98	103	105
	Minimum	41	35	33	26	18	21	24	20	31	36	40	40	40	37
	Avg Max	88.0	89.3	82.2	86.9	63.7	57.8	58.9	64.3	76.0	78.7	87.9	88.4	92.2	87.1
	Avg Min	47.6	50.2	44.4	41.8	41.4	30.5	32.9	38.1	42.3	41.2	46.2	46.8	49.0	46.8
Average	67.8	69.8	63.3	63.4	52.6	45.4	46.2	51.2	59.5	60.0	67.2	67.6	70.9	66.6	
DENVERTON 1 SOUTH	Maximum	98	97	96	72	57	65	64	90	96	97	110	101	103	100
	Minimum	50	42	40	31	22	25	28	26	42	44	52	53	53	50
	Avg Max	88.6	89.6	83.5	80.6	62.6	55.3	58.6	66.8	84.4	82.3	86.9	93.3	89.3	89.3
	Avg Min	54.4	57.9	50.2	48.9	44.9	34.3	34.9	37.7	43.4	49.8	52.2	57.9	59.4	55.8
Average	71.5	73.8	66.9	64.8	53.8	45.1	48.2	55.1	67.1	67.3	72.4	76.4	73.7	70.4	

- No record or record incomplete

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NAPA-SOLANO	Maximum	90	87	95	84	62	69	64	76	89	90	101	86	91	100
	Minimum	47	50	42	43	26	25	31	33	32	40	42	43	40	42
	Avg Max	74.1	78.5	73.9	78.3	50.6	56.3	57.9	63.0	73.8	70.4	78.9	73.5	77.3	79.0
	Avg Min	50.8	54.6	48.4	48.2	34.5	36.1	37.0	41.1	43.9	46.8	52.0	50.7	51.8	50.4
	Average	62.5	66.6	61.2	63.3	54.1	46.2	47.5	52.1	58.9	58.6	65.5	63.1	64.6	64.7
FAIRFIELD POLICE STA	Maximum	97	94	92	93	78	70	68	89	90	93	103	95	99	100
	Minimum	50	52	42	42	25	26	29	30	40	46	44	48	51	49
	Avg Max	80.6	81.9	71.3	71.3	55.2	58.4	59.9	65.3	71.2	70.3	83.4	73.5	77.6	86.0
	Avg Min	59.3	57.8	51.3	49.5	36.1	38.8	37.5	46.0	48.9	50.5	58.1	53.7	56.2	66.1
	Average	70.5	72.9	66.3	66.9	55.7	47.6	48.7	54.7	62.8	64.5	68.8	66.6	71.9	71.1
YARE ISLAND	Maximum	89	91	86	88	72	67	62	83	88	83	100	89	90	95
	Minimum	55	57	52	51	40	31	37	35	48	51	49	55	56	54
	Avg Max	80.8	81.9	76.2	76.7	63.4	55.4	57.9	64.3	75.0	70.0	79.1	77.1	77.6	79.1
	Avg Min	58.4	61.4	56.7	57.3	51.5	43.4	42.6	49.1	53.9	53.9	58.3	58.3	58.4	59.8
	Average	69.6	71.7	66.5	67.0	57.4	44.0	50.2	56.7	64.4	62.0	68.7	68.7	68.0	69.4
NAPA STATE HOSPITAL	Maximum	89	96	91	98	76	70	67	86	90	93	105	96	98	102
	Minimum	45	50	40	41	31	24	27	27	37	42	39	47	48	45
	Avg Max	80.8	84.1	78.0	83.1	65.4	58.6	60.4	65.5	75.6	75.0	83.6	80.2	83.1	83.4
	Avg Min	50.5	54.6	48.3	47.8	45.2	37.3	38.3	41.8	46.0	47.7	52.2	51.5	52.8	52.1
	Average	65.7	69.4	63.2	65.5	55.3	44.0	49.4	53.7	60.8	61.4	67.9	65.9	68.0	67.8
SAINT HELENA	Maximum	100	98	95	101	78	70	71	90	91	92	106	102	106	100
	Minimum	43	47	37	38	29	22	24	24	35	39	41	45	46	43
	Avg Max	87.7	88.2	81.3	83.9	63.9	58.0	59.0	65.7	77.8	77.9	87.5	86.4	91.8	86.1
	Avg Min	50.6	53.5	46.4	45.0	43.6	32.7	34.9	35.5	40.3	45.2	47.0	50.2	50.2	50.2
	Average	69.2	70.9	63.9	64.5	53.8	42.3	46.5	47.3	61.5	62.5	69.1	68.3	71.8	68.2
VETERANS HOME	Maximum	94	98	88	94	74	66	66	79	90	95	106	96	102	98
	Minimum	44	41	40	40	32	27	28	30	42	42	40	48	45	44
	Avg Max	85.7	85.7	79.5	80.5	64.3	54.4	59.3	65.6	77.4	79.1	88.6	87.2	87.6	84.5
	Avg Min	51.5	57.2	47.3	46.6	45.1	35.3	36.4	42.9	47.9	48.4	51.3	51.9	53.6	53.2
	Average	68.6	71.5	63.4	63.6	54.7	44.9	46.9	54.3	62.7	63.8	70.0	69.6	70.6	68.8
YOUNTVILLE GABLE	Maximum	89	96	93	102	78	57	-	-	-	-	-	-	-	-
	Minimum	39	40	38	38	28	20	-	-	-	-	-	-	-	-
	Avg Max	83.4	83.4	78.0	81.8	60.8	51.5	-	-	-	-	-	-	-	-
	Avg Min	46.6	49.6	41.9	39.5	31.6	30.8	-	-	-	-	-	-	-	-
	Average	63.8	66.5	60.0	60.2	52.5	41.2	-	-	-	-	-	-	-	-

- No record or record incomplete

TABLE A-3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
EAST BAY ALAMOND 1 NORTH	Maximum	95	92	89	74	61	63	68	80	87	93	105	102	103	99
	Minimum	43	41	41	43	35	26	29	27	38	41	43	36	50	45
	Avg Max	84.7	85.8	78.8	78.9	62.9	54.9	57.3	66.1	75.2	77.4	84.1	84.2	90.9	83.6
	Avg Min	51.3	53.8	48.2	48.4	44.5	38.5	35.1	38.7	46.2	47.8	51.3	50.8	55.1	52.6
	Average	68.0	69.8	63.5	63.6	53.7	41.6	45.0	51.4	60.7	62.6	67.7	67.5	73.0	68.1
BERKELEY	Maximum	72	85	86	81	69	67	62	77	86	91	91	-	80	93
	Minimum	43	51	46	48	39	27	32	37	33	46	45	-	49	42
	Avg Max	66.7	70.5	67.8	72.1	62.3	56.5	56.6	60.3	66.8	63.3	70.6	-	68.3	71.9
	Avg Min	51.0	55.4	52.4	51.3	49.2	42.2	42.5	43.7	49.4	49.9	51.9	-	-	54.1
	Average	58.9	63.0	60.1	62.7	55.8	45.8	49.4	49.6	53.0	56.6	61.3	-	-	63.0
CROCKETT	Maximum	90	89	89	91	76	64	68	75	92	87	101	92	100	98
	Minimum	50	52	46	46	37	28	33	31	41	46	46	50	50	50
	Avg Max	80.9	85.0	77.3	79.3	63.9	49.5	58.5	63.1	74.9	74.4	82.8	81.1	86.1	83.4
	Avg Min	53.6	57.0	52.9	52.1	48.8	36.2	39.7	44.3	48.3	49.9	54.9	54.2	55.3	55.8
	Average	67.3	71.0	65.1	65.7	56.4	42.9	47.1	53.7	61.6	62.2	68.9	67.7	70.7	69.6
MARTINEZ FIRE STATION	Maximum	92	95	90	91	74	62	64	77	88	91	104	96	101	96
	Minimum	50	32	40	43	35	27	29	30	41	45	47	50	53	49
	Avg Max	82.2	85.5	76.9	78.7	63.2	49.3	55.6	58.1	63.3	75.5	74.9	83.1	86.6	81.9
	Avg Min	53.6	57.3	50.7	49.7	47.3	35.6	38.5	43.7	48.3	49.9	54.0	54.5	55.9	56.0
	Average	67.9	71.4	63.8	64.2	55.3	42.5	46.0	48.3	53.5	61.9	62.4	68.8	71.3	69.0
MT DIABLO NORTH GATE	Maximum	100	98	93	96	83	73	65	83	87	92	104	104	107	100
	Minimum	46	50	41	41	36	20	24	28	36	40	46	49	46	46
	Avg Max	86.4	89.0	78.2	84.5	60.3	58.0	51.8	61.3	71.3	73.3	80.8	89.6	94.5	83.3
	Avg Min	57.0	57.0	56.2	56.2	48.2	38.6	38.7	42.3	48.6	48.9	54.2	57.5	63.9	55.9
	Average	73.1	74.6	65.6	69.4	55.2	46.3	46.7	52.4	61.0	62.3	69.0	72.5	79.2	70.6
OAKLAND CITY HALL	Maximum	73	88	87	88	74	59	66	80	87	78	98	85	80	97
	Minimum	51	55	50	53	44	33	37	41	37	49	50	51	51	53
	Avg Max	67.9	72.4	70.6	73.0	63.3	53.0	57.2	61.5	68.0	64.3	72.0	68.6	68.3	72.2
	Avg Min	55.8	59.2	56.9	57.1	53.4	42.2	45.5	45.8	52.7	52.3	55.3	55.7	53.5	56.7
	Average	61.9	65.8	63.8	65.0	58.4	47.6	51.2	53.5	60.4	58.3	63.6	62.2	60.9	64.4
OAKLAND 39TH AVENUE	Maximum	85	91	89	94	72	61	66	85	89	88	97	90	92	97
	Minimum	47	51	49	47	40	31	33	35	32	44	45	45	48	48
	Avg Max	75.2	78.8	74.6	76.3	62.7	52.7	57.0	58.0	63.6	72.5	70.1	76.8	75.6	79.0
	Avg Min	50.4	53.7	54.6	56.4	50.0	42.1	41.9	43.5	49.1	46.6	50.9	51.3	51.3	52.2
	Average	62.8	66.3	64.1	65.4	56.4	46.0	45.6	54.6	60.8	59.4	63.8	63.4	63.4	65.6

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
EAST BAY	Maximum	87	86	87	68	58	69	63	75	88	76	92	86	84	92
	Minimum	53	49	51	42	38	35	38	35	48	50	50	53	55	53
	Avg Max	68.0	71.7	70.6	72.7	62.0	52.4	55.9	57.0	68.3	64.7	70.3	69.2	71.8	73.3
	Avg Min	56.7	60.1	56.7	55.7	52.3	40.6	43.0	44.8	49.2	53.3	56.6	57.2	58.1	58.6
	Average	62.4	65.9	63.7	64.2	57.2	46.5	49.5	50.9	60.8	59.0	63.5	63.2	65.0	66.0
PORT CHICAGO NAD	Maximum	95	96	92	91	74	68	65	80	89	91	105	96	101	103
	Minimum	45	50	49	49	32	28	25	42	50	47	46	42	49	48
	Avg Max	83.7	86.9	84.4	83.6	69.6	63.9	62.0	72.0	77.2	77.9	86.8	82.2	87.7	87.8
	Avg Min	24.3	28.5	27.4	24.5	18.4	15.5	13.0	23.9	27.8	24.1	32.2	26.8	30.5	32.3
	Average	68.1	70.9	68.3	69.1	53.6	41.1	44.8	46.0	50.9	60.7	62.7	69.5	69.5	71.6
RICHMOND	Maximum	75	90	85	91	73	63	69	67	87	82	95	81	85	95
	Minimum	51	54	48	49	40	29	33	36	34	45	48	53	51	51
	Avg Max	67.5	72.0	70.0	75.9	63.9	53.8	58.7	59.1	62.8	70.2	65.6	68.7	70.8	74.8
	Avg Min	54.2	57.6	54.2	54.5	50.8	38.3	40.7	42.5	46.8	51.3	51.8	54.9	55.4	57.3
	Average	60.9	64.8	62.1	65.2	57.4	46.1	49.7	50.8	54.8	60.8	58.7	63.9	63.1	66.1
SAINT MARKS COLLEGE	Maximum	96	95	88	89	75	55	62	62	85	90	103	96	99	96
	Minimum	45	49	37	34	30	20	22	25	23	32	38	40	45	48
	Avg Max	81.1	82.2	75.6	79.5	61.7	49.3	55.2	56.1	63.1	73.6	72.8	80.3	78.6	81.4
	Avg Min	52.3	54.3	49.4	44.0	42.7	31.9	32.8	35.3	39.7	44.3	47.8	51.2	52.9	53.3
	Average	66.7	68.3	62.5	61.8	52.2	40.6	44.0	45.8	51.4	59.0	60.3	65.8	65.8	67.0
UPPER SAN LEANDRO FFL	Maximum	77	88	85	90	71	64	65	63	76	85	96	85	89	95
	Minimum	46	47	44	44	39	29	28	33	30	43	44	49	49	49
	Avg Max	68.8	74.7	71.6	76.6	62.7	53.7	56.5	56.8	61.2	70.4	66.8	73.4	72.2	76.7
	Avg Min	50.7	54.6	51.4	52.6	47.6	36.5	39.1	38.6	42.3	47.2	47.4	51.0	51.5	52.8
	Average	59.8	64.7	61.5	64.6	55.2	45.1	47.8	47.7	51.8	58.8	57.1	62.2	61.9	64.8
WALNUT CREEK 2 ESE	Maximum	98	95	91	91	76	64	65	67	80	90	104	102	103	100
	Minimum	45	50	38	34	33	20	22	26	24	36	40	34	44	47
	Avg Max	84.7	86.7	78.6	80.7	63.5	51.2	56.3	58.7	64.9	75.9	76.4	83.4	83.5	90.1
	Avg Min	52.1	54.8	43.8	43.4	42.8	32.3	32.9	32.8	38.3	45.8	50.1	51.3	52.2	49.6
	Average	68.4	70.8	62.2	62.1	53.2	41.8	44.6	45.8	51.6	59.9	61.1	66.8	67.4	71.2
ALAMEDA CREEK	Maximum	98	98	96	90	77	65	68	64	82	89	106	100	104	100
	Minimum	44	48	38	35	30	21	22	26	24	34	40	46	44	44
	Avg Max	86.2	88.2	79.7	81.7	66.4	53.6	59.5	58.0	64.9	75.2	76.8	81.0	82.6	89.7
	Avg Min	51.9	53.9	47.4	42.9	39.8	31.7	31.8	33.6	37.3	42.7	46.5	55.7	52.2	54.0
	Average	69.1	71.1	63.6	62.3	53.1	42.6	45.6	45.8	51.1	58.9	61.6	68.4	67.4	71.8

TABLE A-3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
ALAMEDA CREEK LIVERMORE 2 SW	Maximum	100	99	94	91	81	65	66	83	90	92	107	101	105	101
	Minimum	42	49	51	52	52	52	52	25	36	36	42	46	51	44
	Avg Max	89.5	86.2	84.6	84.6	82.9	82.9	82.9	63.8	75.9	77.9	82.5	83.8	81.2	84.1
	Avg Min	59.1	54.0	58.2	56.9	53.9	53.9	53.9	35.0	43.3	46.1	51.5	51.6	55.0	52.4
	Average	68.8	71.4	66.8	66.7	65.3	65.3	65.3	46.1	59.6	62.0	67.0	67.7	73.1	68.3
MOUNT HAMILTON	Maximum	87	85	79	85	65	66	58	77	77	79	90	87	90	87
	Minimum	44	50	38	35	21	21	22	20	33	34	35	44	40	38
	Avg Max	77.4	77.4	68.1	72.5	52.2	47.3	45.6	52.9	64.7	68.1	73.7	75.7	81.7	72.8
	Avg Min	59.7	61.9	53.7	57.1	40.9	36.0	34.6	33.2	37.8	48.0	48.8	55.1	57.9	65.5
	Average	68.5	69.7	60.9	64.8	46.6	41.7	40.1	39.8	56.4	58.5	64.4	66.8	73.6	62.5
NEWMARK	Maximum	81	87	84	87	71	62	66	73	86	84	97	84	89	94
	Minimum	51	54	49	44	39	30	30	32	44	46	49	50	52	49
	Avg Max	72.9	76.5	72.6	75.1	62.5	53.2	56.8	61.1	71.3	66.1	75.9	71.0	78.2	75.6
	Avg Min	53.4	58.8	54.8	53.2	49.5	38.4	39.4	40.1	53.4	50.3	61.3	54.2	64.6	55.2
	Average	66.2	67.7	63.7	64.2	56.0	43.8	48.1	48.8	53.3	58.0	64.3	62.6	66.6	65.8
PLEASANTON WUBSEERY	Maximum	98	98	91	95	76	63	66	86	92	92	104	100	103	100
	Minimum	46	48	38	39	32	22	22	26	34	36	40	45	46	42
	Avg Max	87.8	80.4	81.9	81.9	62.8	51.9	57.2	64.7	75.1	76.0	82.0	83.8	90.5	83.6
	Avg Min	52.3	54.4	47.3	44.7	43.9	33.6	33.6	35.9	39.8	43.6	46.5	50.1	50.6	50.6
	Average	70.1	71.1	63.9	63.3	53.4	42.8	45.4	46.7	52.3	59.4	66.1	67.2	72.1	67.1
SANTA CLARA VALLEY	Maximum	90	92	91	92	74	62	67	80	91	88	100	94	96	97
	Minimum	46	51	43	39	34	26	27	30	28	40	40	49	48	46
	Avg Max	80.5	81.6	77.3	77.5	64.0	53.4	57.0	64.7	74.7	66.2	75.8	81.1	85.6	85.6
	Avg Min	53.0	58.2	50.7	47.3	36.3	28.0	28.0	33.3	44.1	44.2	51.8	53.2	54.9	52.6
	Average	66.8	69.9	64.0	62.4	55.3	44.3	47.5	54.0	60.9	61.9	66.4	67.2	70.6	67.6
COYOTE RESERVOIR	Maximum	98	97	90	92	75	67	67	86	89	89	104	100	103	100
	Minimum	43	45	30	36	30	21	23	27	27	27	33	33	33	33
	Avg Max	86.5	87.5	79.7	82.6	64.4	54.2	56.5	66.0	73.8	76.0	82.0	83.8	90.5	83.6
	Avg Min	48.1	51.2	45.2	43.5	39.8	31.4	31.4	36.1	40.2	43.3	46.5	50.1	50.6	50.6
	Average	67.3	69.4	62.5	63.0	52.1	42.8	45.0	47.1	53.1	58.6	66.1	67.2	72.1	67.1
LEXINGTON RESERVOIR	Maximum	99	95	90	94	75	64	63	86	88	90	104	96	101	96
	Minimum	39	43	38	36	26	20	26	26	33	36	43	42	42	40
	Avg Max	85.8	86.6	79.1	80.7	63.2	53.1	56.9	65.7	74.2	75.7	83.2	84.7	89.3	84.0
	Avg Min	50.9	49.1	44.1	42.6	40.7	30.4	35.1	38.9	47.1	47.1	50.1	48.7	50.1	49.0
	Average	68.4	67.9	61.6	61.6	52.0	41.8	46.0	52.3	60.6	61.6	66.7	66.7	69.7	66.5

- No record or record incomplete
RE Record ends

TABLE A-3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
SANTA CLARA VALLEY	Maximum	93	89	82	75	69	67	67	86	91	94	102	95	97	96
	Minimum	44	50	51	53	55	57	59	29	38	40	46	46	49	44
	Avg Max	52.2	53.4	78.0	80.1	80.1	53.8	58.3	58.8	66.2	76.2	77.0	81.2	86.4	82.5
	Avg Min	52.2	53.8	50.3	48.4	45.1	34.6	36.4	37.1	42.2	45.9	50.3	51.6	54.3	51.5
	Average	67.6	69.6	64.2	64.3	65.1	44.2	47.4	48.0	54.2	61.1	62.4	66.4	70.4	67.0
BAYSIDE - SAN MATEO	Maximum	85	83	88	88	72	64	62	76	84	80	95	87	85	93
	Minimum	48	52	47	45	40	30	35	31	42	44	45	50	50	50
	Avg Max	68.3	71.3	73.1	73.1	61.7	55.4	56.2	59.2	67.4	65.9	70.9	78.4	81.4	79.8
	Avg Min	52.3	51.9	51.9	48.6	38.2	39.7	41.3	43.9	48.3	46.6	51.9	52.8	54.2	52.2
	Average	60.3	63.3	63.3	62.5	55.2	44.9	47.6	48.8	51.6	57.9	57.3	61.4	66.3	64.0
SAN FRANCISCO F O B	Maximum	69	81	90	90	72	68	63	75	84	76	91	79	77	95
	Minimum	48	52	52	52	46	43	43	39	47	46	49	49	50	53
	Avg Max	61.9	66.5	71.5	71.5	65.9	57.7	57.1	59.6	65.2	60.4	66.0	63.8	64.7	70.2
	Avg Min	52.3	53.9	57.1	57.1	53.3	46.5	46.4	48.0	50.6	49.7	52.8	52.5	52.9	56.9
	Average	57.4	61.2	65.0	65.0	58.1	48.3	52.1	51.8	53.8	57.9	55.1	59.4	58.2	63.6
SAN MATEO	Maximum	80	89	90	90	74	66	65	-	86	81	97	90	90	97
	Minimum	50	52	46	48	42	34	34	37	43	42	44	46	47	47
	Avg Max	72.7	76.8	73.5	76.2	63.9	53.4	58.2	58.4	60.6	72.3	69.0	74.2	78.6	78.4
	Avg Min	55.8	58.3	55.8	56.8	53.1	42.1	45.4	47.0	48.8	50.3	48.4	53.4	54.7	54.3
	Average	64.3	67.6	64.7	66.5	58.5	47.8	51.8	52.7	54.7	61.3	58.7	64.5	67.6	66.4
COAST - SAN MATEO	Maximum	70	84	91	91	71	62	65	72	83	65	74	69	70	89
	Minimum	44	50	42	42	40	32	32	32	38	40	43	42	44	45
	Avg Max	62.1	67.0	64.7	64.4	56.9	59.3	57.9	58.3	65.4	61.6	63.9	62.8	64.4	69.4
	Avg Min	49.8	53.7	52.9	49.4	48.0	39.2	41.4	40.1	42.5	43.0	41.5	48.6	51.1	49.9
	Average	56.0	60.4	58.7	60.4	56.1	48.1	50.4	49.0	50.4	54.2	51.6	55.5	57.8	59.7
SAN FRANCISCO RICH SS	Maximum	72	72	81	92	67	69	64	67	73	72	74	68	68	96
	Minimum	47	50	48	45	40	28	36	38	43	44	45	50	50	50
	Avg Max	61.3	63.6	64.7	71.3	62.6	54.9	60.0	57.3	58.0	60.8	63.7	62.2	62.0	67.3
	Avg Min	52.7	54.7	55.0	54.5	51.0	41.2	47.5	49.0	48.7	51.7	53.5	54.0	54.2	53.3
	Average	57.0	59.2	59.9	62.9	56.8	48.1	53.8	53.4	53.4	57.8	58.6	58.1	58.1	61.4
SAN GREGORIO 2 SE	Maximum	75	87	85	94	73	70	66	76	82	75	81	87	80	93
	Minimum	42	44	35	35	38	27	32	28	34	31	37	37	40	40
	Avg Max	67.3	71.0	70.3	73.1	64.2	57.8	58.7	57.9	61.3	65.2	66.2	68.7	70.0	73.4
	Avg Min	49.0	51.1	48.2	47.6	45.9	36.5	39.3	38.7	41.3	45.1	46.0	48.6	48.6	48.6
	Average	58.2	61.1	59.3	60.4	55.1	47.2	48.7	48.0	50.4	54.2	57.6	58.7	59.2	61.0

- No record or record incomplete

TABLE A - 3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NORTH COASTAL AREA	Maximum	100	94	101	93	74	70	71	83	93	97	110	100	106	107
	Minimum	41	33	32	32	20	25	25	27	30	34	40	41	41	39
	Avg Max	88.2	86.2	86.6	84.6	67.4	59.9	60.8	66.3	75.7	81.4	82.9	85.4	90.2	88.0
	Avg Min	48.4	51.6	43.6	43.0	33.2	35.8	34.7	38.7	40.7	44.0	45.6	49.4	49.4	47.2
MENDOCINO COAST	Average	68.3	68.9	64.1	55.2	46.2	47.8	47.8	52.5	58.2	62.7	64.3	67.4	69.8	67.6
	Maximum	72	71	93	71	64	64	60	65	68	68	69	68	70	85
	Minimum	45	49	41	43	31	32	28	28	36	39	42	44	44	44
	Avg Max	61.5	65.4	66.9	62.0	56.7	56.3	55.0	56.9	60.6	60.0	63.2	63.6	62.5	66.5
FORT BRAGG	Avg Min	49.1	52.1	47.8	46.8	39.5	39.4	38.5	42.0	44.3	45.1	47.9	49.2	48.3	50.3
	Average	55.3	58.8	55.5	57.7	48.1	47.9	46.8	49.5	52.5	52.6	55.6	56.4	55.4	58.4
	Maximum	69	72	75	96	70	62	66	59	62	64	70	67	72	77
	Minimum	-	-	36	40	32	27	27	29	-	34	34	38	40	39
FORT BRAGG AVIATION	Avg Max	59.9	65.6	62.2	65.1	61.5	56.4	55.5	56.2	58.8	58.6	63.0	62.4	62.8	65.7
	Avg Min	47.5	50.1	44.9	46.9	46.6	39.4	38.7	40.8	41.8	42.6	46.3	46.9	47.2	47.7
	Average	53.7	57.9	53.6	56.0	54.1	47.9	47.2	48.5	50.3	50.6	54.7	58.7	55.0	56.7
	Maximum	70	74	82	90	70	69	67	62	64	67	76	68	71	92
FORT ROSS	Minimum	43	45	40	42	31	35	36	36	39	39	35	36	42	45
	Avg Max	63.9	65.7	65.7	61.8	55.7	56.8	56.7	56.3	61.8	60.0	65.0	64.9	64.6	68.1
	Avg Min	48.3	49.8	49.0	48.6	41.7	42.8	41.6	42.7	44.2	45.2	46.4	47.3	48.4	50.8
	Average	56.1	58.9	57.4	59.5	55.2	49.8	49.2	49.5	53.0	52.6	55.7	56.1	56.5	59.5
POINT ARENA	Maximum	70	77	83	92	67	62	60	65	68	66	76	69	72	95
	Minimum	45	49	40	42	38	31	33	31	34	40	41	45	46	45
	Avg Max	62.9	68.2	65.1	68.9	61.6	56.8	55.1	54.9	56.0	59.6	65.3	65.4	64.2	68.7
	Avg Min	48.9	51.7	48.3	50.1	47.9	40.8	41.1	40.5	42.5	44.8	47.9	49.5	49.2	51.5
RUSSZAN RIVER	Average	55.9	60.0	56.7	59.5	54.8	48.1	47.7	49.3	51.6	52.5	56.6	57.5	56.7	60.1
	Maximum	98	99	95	100	78	69	70	85	92	92	108	97	106	107
	Minimum	46	49	43	44	34	44	42	40	47	46	47	47	47	46
	Avg Max	67.6	70.9	68.6	72.1	62.7	52.8	52.5	58.0	67.4	78.8	85.4	87.2	91.1	87.0
CLAWSDALE 3 SSE	Avg Min	59.8	60.7	57.8	59.5	52.6	39.3	38.6	39.8	45.7	46.7	53.7	51.9	52.1	51.0
	Average	69.2	71.8	64.2	67.2	53.7	44.1	46.7	51.0	61.6	62.8	69.6	69.6	71.6	69.0

- No record or record incomplete

TABLE A-3
TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
RUSSIAN RIVER COYOTE DAM	Maximum	100	93	97	86	66	68	65	83	88	95	108	102	104	103
	Minimum	41	36	34	34	19	20	24	25	31	34	34	34	35	40
	Avg Max	82.0	86.3	83.1	60.8	56.0	56.9	56.8	63.2	71.6	82.6	82.2	88.0	92.9	86.6
	Avg Min	48.4	48.4	42.7	39.5	29.0	31.7	30.9	35.7	38.7	43.3	45.4	48.0	51.6	47.8
	Average	69.7	70.5	65.1	62.9	50.2	44.3	43.9	49.5	50.2	63.0	63.8	68.0	72.2	67.2
GRISWELL-HOOKING	Maximum	94	90	90	73	57	-	-	-	-	-	-	-	-	-
	Minimum	43	29	28	35	20	-	-	-	-	-	-	-	-	-
	Avg Max	84.4	77.0	77.5	60.6	50.0	-	-	-	-	-	-	-	-	-
	Avg Min	50.2	45.2	42.5	42.2	32.5	-	-	-	-	-	-	-	-	-
	Average	67.3	61.1	60.0	51.4	41.2	-	-	-	-	-	-	-	-	-
GRATON	Maximum	91	99	95	99	78	71	72	86	93	90	108	99	105	105
	Minimum	41	47	34	35	31	26	21	29	33	40	39	43	42	40
	Avg Max	82.3	85.9	79.6	81.8	62.1	56.8	59.3	65.2	73.9	73.3	87.4	83.5	84.3	84.3
	Avg Min	49.4	51.8	47.4	43.7	34.9	35.8	36.6	42.0	44.5	46.4	48.6	48.6	50.2	49.5
	Average	65.9	68.9	63.5	62.7	53.9	46.3	48.0	53.6	59.2	59.9	68.0	66.1	67.3	66.9
GRATON I W	Maximum	89	95	88	93	73	69	67	85	90	88	101	95	100	100
	Minimum	40	45	35	36	29	24	28	26	34	38	38	42	43	41
	Avg Max	80.9	83.7	74.9	78.5	61.3	55.6	57.6	62.1	72.3	72.9	84.4	82.0	83.4	81.2
	Avg Min	47.1	50.2	45.6	45.0	44.1	36.0	36.1	39.8	42.8	44.0	47.7	46.8	48.4	48.5
	Average	64.0	67.0	60.3	61.8	52.7	45.8	46.9	51.0	57.6	58.5	66.1	64.4	65.9	64.9
HEADSBURG	Maximum	97	99	95	100	78	74	73	90	94	93	108	98	105	108
	Minimum	45	48	39	41	33	28	29	29	38	38	38	42	46	44
	Avg Max	87.4	89.5	82.3	84.6	65.3	59.0	61.0	66.1	77.5	78.1	89.0	87.7	90.7	87.2
	Avg Min	51.1	54.1	49.2	48.9	46.3	38.9	38.5	42.6	47.0	48.0	47.7	46.8	48.4	48.5
	Average	69.3	71.8	65.8	66.8	55.8	44.1	49.7	54.4	61.8	63.1	70.5	69.7	71.6	69.8
INVERNESS HERY	Maximum	84	87	92	95	74	69	69	73	84	84	90	82	88	100
	Minimum	42	51	42	40	34	27	30	28	37	40	42	44	44	46
	Avg Max	72.2	72.8	73.5	74.7	63.5	55.0	58.0	61.1	69.2	67.0	69.4	70.0	74.6	74.6
	Avg Min	50.2	53.2	50.4	50.5	47.8	37.3	38.4	38.0	42.0	44.8	46.4	48.9	50.0	52.3
	Average	61.2	63.0	62.0	62.6	55.7	46.2	47.5	51.6	57.0	56.7	59.2	59.9	62.3	63.4
KNIGHTS VALLEY	Maximum	-	-	-	96	63	68	68	81	-	-	-	-	-	-
	Minimum	-	-	-	32	25	19	20	22	-	-	-	-	-	-
	Avg Max	-	-	-	82.5	53.2	56.6	57.5	62.5	-	-	-	-	-	-
	Avg Min	-	-	-	42.0	30.4	30.8	31.0	34.4	-	-	-	-	-	-
	Average	-	-	-	62.3	41.8	43.7	44.3	48.4	-	-	-	-	-	-

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA
CENTRAL COASTAL AREA

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1965						1966								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
RUSSIAN RIVER POTTER VALLEY FH	Maximum	102	99	97	99	80	68	67	88	90	96	108	103	104	102
	Minimum	-	-	37	30	26	18	21	22	32	36	34	43	-	37
	Avg Max	-	-	89.0	86.6	82.6	76.9	56.9	57.8	80.9	85.5	87.7	91.4	-	-
	Avg Min	-	-	43.6	39.8	39.2	-	31.6	32.2	40.0	42.3	45.7	48.5	-	-
Average	-	-	66.3	63.2	50.9	-	44.3	45.0	52.1	60.5	63.9	66.7	70.0	-	-
SANTA ROSA	Maximum	91	96	93	98	79	67	72	79	91	89	103	94	101	104
	Minimum	43	48	39	39	29	21	24	26	35	39	38	45	44	41
	Avg Max	81.3	85.9	79.9	83.1	65.1	53.5	58.8	60.6	64.0	74.2	85.2	82.6	86.3	84.4
	Avg Min	49.5	52.2	46.7	44.9	41.8	31.9	33.1	33.8	38.4	43.2	45.7	48.8	49.7	49.6
Average	65.4	69.1	63.3	64.0	53.5	42.7	46.0	47.2	51.4	59.0	60.0	67.0	65.6	68.0	67.0
SANTA ROSA SEWAGE PLT	Maximum	90	92	91	95	76	63	64	81	90	85	100	90	97	102
	Minimum	45	49	36	40	30	22	29	35	42	52	35	45	45	42
	Avg Max	77.6	81.5	76.3	78.0	63.6	51.9	57.8	58.1	69.0	70.6	81.1	78.6	81.0	80.4
	Avg Min	50.2	53.2	47.7	46.8	43.7	33.2	33.3	35.9	40.5	43.8	49.0	49.1	50.1	49.5
Average	63.9	67.4	61.8	61.4	53.6	42.6	46.0	47.0	51.3	57.2	57.4	65.0	63.8	65.6	65.0
UKIAH	Maximum	103	101	96	102	73	69	67	90	92	98	111	103	105	106
	Minimum	48	50	37	35	29	22	24	26	34	40	38	45	46	43
	Avg Max	92.5	90.1	85.3	84.4	61.6	54.4	56.9	59.5	66.7	81.8	84.0	88.8	92.8	87.7
	Avg Min	53.4	55.1	46.6	45.4	43.2	33.1	34.8	35.1	43.1	46.3	50.7	51.5	53.9	51.0
Average	73.0	72.6	66.0	64.9	52.4	43.8	45.9	47.3	52.9	60.9	64.1	67.4	70.2	73.4	69.4
WOODBARE	Maximum	93	94	89	90	72	60	74	87	89	88	102	95	99	98
	Minimum	42	46	34	33	29	19	21	25	31	35	38	41	43	40
	Avg Max	81.4	81.4	74.1	77.8	61.6	49.3	57.0	56.6	61.2	74.6	77.2	78.0	80.0	80.0
	Avg Min	48.7	51.7	47.4	43.5	43.9	32.5	33.6	35.3	38.0	43.7	44.0	48.0	49.4	49.2
Average	65.1	66.6	60.8	60.7	52.8	40.9	45.3	45.3	49.3	57.3	58.5	62.1	63.0	66.3	64.6

- No record or record incomplete

Evaporation Data

Terms and the abbreviations used in connection with tables listing evaporation data are as follows:

- Evap - The total amount of water evaporated from the pan in inches for the month.
- Wind - The amount of movement of air over the pan in miles for the month.
- Avg Max - The arithmetic average of daily maximum water temperatures in degrees Fahrenheit for the month.
- Avg Min - The arithmetic average of daily minimum water temperatures in degrees Fahrenheit for the month.

TABLE A-4
EVAPORATION DATA
CENTRAL COASTAL AREA

Station Name	Evaporation in Inches												Water Temperature in Degrees Fahrenheit												Total Oct 1 To Sept 30			
	Wind in Total Miles												1966															
	Total July To June 30	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.												
CENTRAL COASTAL AREA																												
PAJARO-SAN BENITO RIVERS																												
Evap	--	6.93	6.75	4.58	3.98	2.64	--	--																				
Wind	52.50	7.03	4.77	4.61	4.18	2.96	1.95	2.64	2.43	3.35	4.40	7.06	6.64	7.29	5.28											554.5		
Max	337.00	3455	3038	2876	2770	1716	1176	2767	2962	2921	2810	3042	2814	2835	3017												311.58	
SAN LUCAS-GUIDICI																												
Evap	--	8.38	8.47	5.97	4.74	4.02	--	RE																				
Wind	65.28	7.99	7.45	6.27	6.14	3.21	2.80	2.02	1.09	4.92	6.27	7.10	8.82	7.93	6.02												64.06	
Max	607.84	6974	8275	4574	4720	1499	1188	471	477	477	476	5553	6384	541	4618												602.57	
Avg Min	69.7	72.4	84.2	75.1	74.0	62.6	54.3	58.1	59.4	66.9	74.2	75.0	77.1	79.2	76.7												69.4	
UPPER SALINAS RIVER																												
Evap	73.04	10.45	10.92	7.09	6.28	2.20	1.31	1.40	1.95	4.18	7.39	8.88	10.99	11.07	7.82												74.50	
MAGNIFICENT DAM																												
SAN FRANCISCO BAY AREA																												
NAPA-SOLANO																												
Evap	61.40	8.46	8.23	6.33	5.21	1.97	1.09	1.69	2.99	3.03	5.25	7.17	10.37	8.33	7.69												63.40	
Wind	28.44	23.29	24.2	21.3	18.7	10.5	17.0	13.80	9.89	13.44	19.30	25.90	28.81	30.17	38.56												--	
Max	71.5	82.4	84.2	77.8	76.2	63.3	49.5	55.0	59.1	68.3	80.0	78.5	83.6	83.6	81.6												71.8	
Avg Min	47.4	52.4	57.0	50.6	49.7	46.3	37.2	37.9	39.8	44.1	49.8	51.0	53.0	54.2	53.3												47.5	
YOUNTVILLE-GAVALE																												
Evap	--	8.35	6.42	5.96	4.02	1.72	1.19	--	--	--	--	--	--	--	--												--	
Wind	--	--	2045	1802	1111	1356	--	--	--	--	--	--	--	--	--												--	
ALAMEDA CREEK																												
Evap	72.44	11.02	9.81	7.69	6.17	1.63	1.21	1.60	2.26	3.79	7.40	9.55	10.31	10.88	8.00												74.78	
Wind	227.40	286.0	215.0	204.0	143.0	133.0	194.0	139.0	169.0	176.0	193.0	229.0	229.0	284.0	190.0													230.00
REMARK																												
Evap	66.07	8.80	8.65	6.89	4.84	2.33	1.30	1.77	2.37	4.45	6.94	8.23	9.71	9.07	7.46												67.45	
Wind	379.53	3602	3459	2922	2471	3144	2382	2599	2669	3001	3395	3811	3700	3738	3101												379.23	
SANTA CLARA VALLEY																												
Evap	62.95	8.59	8.41	5.45	4.62	2.40	1.21	1.81	2.82	3.95	6.43	7.76	9.49	9.02	6.87												64.79	
Wind	--	1783	1566	1393	1234	1393	921	--	1213	--	1141	1335	1633	1313	1281												--	
COYOTE RESERVOIR																												
Evap	--	7.71	7.37	4.52	4.06	1.78	0.85	1.13	1.53	2.85	4.92	6.57	8.21	8.13														
Wind	--	846	819	633	631	565	499	554	612	753	1085	1325	1633	1313														

RE Record ends.
-- No record or record incomplete

TABLE A-4

EVAPORATION DATA
CENTRAL COASTAL AREA

Station Name	Evaporation in Inches						Water Temperature in Degrees Fahrenheit												
	Total July 1 To June 30	1965						1966											
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total Oct 1 To Sept. 30		
SANTA CLARA VALLEY																			
LEROY ANDERSON DAM																			
LEXINGTON RESERVOIR	55.61 10774	8.66 954	7.96 71.6	5.95 125	4.34 283	1.69 1179	1.30 596	1.69 1167	2.00 1073	3.08 1061	5.21 836	6.26 802	7.36 662	8.17 658	8.46 723	6.20 814	55.87 10574		
BAYSIDE-SAN MATEO																			
BURLINGAME	--	7.65	6.58	4.67	2.99	0.80	--	0.87	1.48	2.93	4.09	5.09	7.49	6.60	6.55	5.10	--		
		960	680	510	301	151	51	22	896	1719	2823	3223	4047	89.1	87.1	83.5	1480		
		91.2	82.9	65.0	48.1	31.7	21.2	14.4	8.7	4.8	2.3	1.2	0.4	0.1	0.1	0.1	74.9		
		51.8	58.5	55.1	53.9	49.1	38.6	40.4	43.9	50.5	55.7	56.6	59.5	60.7	60.2	58.3	52.4		
NORTH COASTAL AREA																			
RUSSIAN RIVER																			
CONCITE DAM	67.97	11.37	9.86	7.24	4.49	1.88	0.92	2.57	1.64	3.08	6.26	8.30	10.36	10.15	11.98	7.87	69.50		
		1620	1640	1524	1169	823	658	--	--	1270	1329	1368	1707	1278	834	1483	--		
		86.5	83.5	78.0	71.8	56.9	44.0	50.7	52.6	62.3	70.4	79.5	80.2	85.6	87.6	82.2	69.0		
		43.5	53.3	47.1	46.9	42.6	32.6	33.2	38.9	37.9	42.3	48.2	50.3	52.6	56.7	51.5	44.0		
GENESVILLE-HOODING																			
	--	7.34	7.76	4.47	3.29	1.67	0.74	--	--	--	--	--	--	--	--	--	--		
		--	--	--	--	1932	1866	--	--	--	--	--	--	--	--	--	--		
		--	--	--	4.19	--	0.75	0.48	1.79	941	--	--	--	--	--	--	--		
		--	--	--	76.1	--	48.8	899	957	611	--	--	--	--	--	--	--		
		--	--	--	50.0	--	30.0	37.6	40.6	43.3	--	--	--	--	--	--	--		
SANTA ROSA SEMAGE TLT	57.65 26266	8.06 2764	7.92 2967	6.19 2373	4.97 1606	1.70 1827	0.68 1624	0.98 1732	2.38 1928	2.92 2051	5.92 2394	6.07 2634	9.86 2766	8.66 3022	7.92 2846	6.62 2370	59.68 26600		

RB. Record begins.
-- No record or record incomplete.



Appendix B

SURFACE WATER MEASUREMENT

INTRODUCTION

In this appendix, surface water data is presented for the period October 1, 1965 through September 30, 1966. These data consist of imported water to report area, daily mean gage heights, daily maximum and minimum tides, and corrections to previously-published reports.

The station numbering system is that which is shown in the Department publication, Index of Stream Gaging Stations In and Adjacent to California, 1966.

Responsibility for operation of the gaging station and publication of the data for Butano Creek near Pescadero, E8-3200, was transferred to the U. S. Geological Survey, beginning September 30, 1966.

TABLE B-1
SURFACE WATER IMPORTS TO THE CENTRAL COASTAL AREA

IMPORT	1966 WATER YEAR												TOTAL
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	
<u>CITY OF VALLEJO FROM CACHE SLOUGH</u>													
Total acre-feet	1,310	773	667	765	697	805	1,206	1,322	1,486	1,569	1,626	1,334	
Average cubic feet per second	21	13	11	12	13	13	20	21	25	26	26	22	13,560
Monthly quantities in percent of seasonal	10	6	5	5	5	6	9	10	11	11	12	10	19
<u>1966 WATER YEAR</u>													
Total acre-feet	718	340	402	479	390	586	1,125	1,433	1,416	1,735	1,959	1,584	12,167
Average cubic feet per second	12	6	7	8	7	10	19	23	24	28	32	27	17
Monthly quantities in percent of seasonal	6	3	3	4	3	5	9	12	12	14	16	13	
<u>CONTRA COSTA CANAL *</u>													
Total acre-feet	6,553	4,613	3,532	3,990	3,142	4,047	6,082	8,437	10,738	12,258	12,157	9,445	84,994
Average cubic feet per second	107	78	57	55	57	66	102	137	174	199	198	159	116
Monthly quantities in percent of seasonal	8	5	4	4	4	5	7	10	12	15	15	11	
<u>HETCH HETCHY AQUEDUCT</u>													
Total acre-feet	15,695	12,722	15,023	7,851	11,946	12,607	11,107	15,260	18,438	21,462	21,379	19,551	182,641
Average cubic feet per second	235	214	244	128	215	203	187	248	310	349	348	329	252
Monthly quantities in percent of seasonal	9	7	8	4	6	7	6	8	10	12	12	11	
<u>MONTELUONE RIVER AQUEDUCT</u>													
Total acre-feet	18,031	17,499	17,995	17,653	15,488	15,413	16,065	16,863	16,751	17,288	17,080	16,288	202,414
Average cubic feet per second	293	294	293	287	279	251	270	274	282	281	278	274	280
Monthly quantities in percent of seasonal	9	9	9	9	8	8	8	8	8	8	8	8	
<u>POTTER VALLEY POWERHOUSE FROM EEL RIVER</u>													
Total acre-feet	17,990	10,930	13,730	18,590	16,870	17,900	18,350	14,110	7,660	12,560	13,560	17,430	179,700
Average cubic feet per second	293	184	223	302	304	291	308	229	128	204	220	293	248
Monthly quantities in percent of seasonal	10	6	8	10	9	10	10	8	4	7	8	10	
<u>PUTAH SOUTH CANAL **</u>													
Total acre-feet	18,170	1,795	706	397	339	3,138	19,310	29,510	29,111	30,986	26,118	28,748	188,328
Average cubic feet per second	295	30	11	6	6	51	324	480	489	504	425	483	260
Monthly quantities in percent of seasonal	10	1	0	0	0	2	10	16	16	16	14	15	
<u>SOUTH BAY AQUEDUCT</u>													
Total acre-feet	7,005	2,463	169	0	1,453	3,153	5,181	7,173	6,968	7,293	7,499	5,336	53,693
Average cubic feet per second	114	41	3	0	26	51	87	117	117	119	122	90	74
Monthly quantities in percent of seasonal	13	4	0	0	3	6	10	13	13	14	14	10	

* A portion of this water is delivered to the Central Coastal Area by the Contra Costa County Water District.

** A portion of this water is delivered to the Central Coastal Area by the Solano Irrigation District.

TABLE B-2

WATER YEAR	STATION NO.	STATION NAME
1966	E31400	RECTOR RESERVOIR NEAR YOUNTVILLE

DAILY MEAN GAGE HEIGHT
(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	353.28	349.41	350.60	357.30	370.41	NR	370.14	368.07	364.50	360.60	355.98	351.48	1
2	353.11	349.30	350.65	357.65	370.35	NR	370.11	368.01	364.38	360.44	355.81	351.24	2
3	353.00	349.18	350.69	358.15	370.46	NR	370.10	367.88	364.25	360.30	355.67	351.13	3
4	352.85	349.08	350.72	359.72	370.57	NR	370.10	367.75	364.12	360.17	355.53	350.98	4
5	352.75	348.94	350.75	370.68	370.47	NR	370.04	367.63	363.99	360.02	355.37	350.84	5
6	352.63	348.94	350.79	370.27	370.42	NR	369.97	367.51	363.85	359.88	355.22	350.71	6
7	352.49	348.94	350.81	370.27	370.37	NR	369.90	367.49	363.76	359.75	355.09	350.57	7
8	352.37	348.96	350.85	370.27	370.31	NR	369.83	367.27	363.64	359.61	354.93	350.43	8
9	352.25	348.97	350.88	370.27	370.30	NR	369.78	367.16	363.52	359.47	354.78	350.29	9
10	352.15	348.98	350.90	370.27	370.26	NR	369.76	367.06	363.38	359.33	354.65	350.15	10
11	352.04	348.99	350.95	370.27	370.26	NR	369.73	366.95	363.23	359.20	354.49	350.02	11
12	351.90	349.03	351.01	370.27	370.25	NR	369.72	366.85	363.10	359.06	354.33	349.87	12
13	351.80	349.15	351.05	370.27	370.24	NR	369.72	366.75	362.97	358.90	354.18	349.74	13
14	351.69	349.40	351.08	370.27	370.25	NR	369.73	366.65	362.81	358.78	354.05	349.60	14
15	351.58	349.61	351.05	370.25	370.23	NR	369.76	366.52	362.69	358.63	353.87	349.46	15
16	351.44	349.60	351.05	370.22	370.22	NR	369.70	366.40	362.57	358.48	353.71	349.31	16
17	351.32	349.55	351.08	370.20	370.22	NR	369.60	366.28	362.44	358.34	353.58	349.18	17
18	351.21	350.10	351.10	370.20	370.22	NR	369.52	366.17	362.30	358.20	353.43	349.05	18
19	351.10	350.23	351.11	370.20	370.31	NR	369.43	366.04	362.18	357.92	353.27	348.93	19
20	350.97	350.28	351.15	370.20	370.30	NR	369.34	365.92	362.02	357.73	353.14	348.80	20
21	350.84	350.28	351.15	370.18	370.28	NR	369.25	365.80	361.88	357.58	352.99	348.68	21
22	350.71	350.22	351.17	370.18	370.27	NR	369.14	365.70	361.75	357.45	352.83	348.53	22
23	350.58	350.20	351.17	370.18	370.30	NR	368.96	365.58	361.61	357.29	352.70	348.40	23
24	350.42	350.31	351.22	370.20	370.32	NR	368.86	365.45	361.46	357.12	352.55	348.27	24
25	350.30	350.55	351.70	370.20	370.33	NR	368.74	365.34	361.32	356.97	352.38	348.13	25
26	350.17	350.60	351.90	370.20	370.37	NR	368.63	365.22	361.20	356.82	352.23	347.98	26
27	350.04	350.60	352.07	370.20	370.35	NR	368.50	365.12	361.05	356.69	352.08	347.83	27
28	349.91	350.58	352.60	370.20	370.32	NR	368.40	364.98	360.91	356.54	351.93	347.70	28
29	349.78	350.55	354.43	370.28		NR	368.30	364.84	360.86	356.38	351.77	347.58	29
30	349.65	350.58	355.51	370.40		NR	368.19	364.74	360.73	356.23	351.65	347.48	30
31	349.52		356.60	370.34		NR		364.61		356.12	351.12		31

CREST STAGES

E - ESTIMATED
NR - NO RECORD
NE - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-5-66	0800	370.80									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M. O. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38-26.4	122-20.6	SE19 7N 4W					5/48 - Date	5/48		0.00	USC&GS

Rector Reservoir is located on Rector Creek about three miles northeast of Yountville. Gaging station is located on the outlet tower of the reservoir. Elevation of reservoir floor is 250 feet. Spillway elevation is 371 feet.

TABLE B-3
DAILY MAXIMUM AND MINIMUM TIDES
SACRAMENTO RIVER AT COLLINGSVILLE

STATION NO.	WATER YEAR
E31110	1966

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	3.60 1.69	5.08 1.64	NR	5.70 2.24	6.83 2.10	5.80 1.64	5.76 1.23 E	3.26 1.36	5.99 1.61	6.39 1.52	6.20 1.66	3.37 1.82	1
2	5.76 1.72	4.88 1.58	4.09 2.62	5.74 1.81	6.51 1.60	5.91 1.23 E	3.84 1.64	3.40 1.70	6.11 1.21 E	6.46 1.39	6.29 1.89	3.41 2.04	2
3	5.30 1.78	5.01 1.52	5.30 1.81	6.33 1.92	6.93 1.88	6.09 0.60 E	6.12 2.04	5.74 1.81	6.13 1.09 E	6.38 1.20	6.09 1.89	3.28 2.30	3
4	5.45 1.72	5.17 1.68	5.62 1.96	6.99 2.22	7.31 1.80	5.69 0.81	6.01 2.12	6.31 1.80	5.97 1.00 E	6.19 1.43	5.80 1.87	5.38 2.40	4
5	3.03 1.63	3.34 1.87	5.91 1.83	7.09 1.85	7.09 1.97	3.84 0.98	6.09 2.20	6.20 1.42	6.02 1.33	6.11 1.33	5.47 1.97	3.75 2.38	5
6	5.45 1.71	3.70 2.20	6.17 1.70	6.88 1.74	7.07 1.59	5.96 2.13	6.17 2.06	6.21 1.21 E	6.02 1.57 E	5.86 1.33	3.22 1.91	5.93 2.30	6
7	5.58 1.87	3.90 2.08	6.43 1.68	7.07 1.81	6.63 2.05	3.73 1.40	6.36 1.87	6.09 1.28 E	3.63 1.04 E	5.37 1.56	5.44 2.23	3.91 2.31	7
8	3.90 2.62	6.00 1.78	6.77 1.80	7.10 1.80	6.12 2.98	5.47 1.55	6.27 1.66	6.20 1.51	5.48 1.25	3.09 1.55	5.79 2.68	5.74 1.73	8
9	6.02 2.70	6.17 1.70	7.09 1.88	6.70 1.74	5.70 1.91	3.40 1.71	6.20 1.39	6.24 2.06	5.14 1.68	4.98 1.35	6.12 2.64	6.00 1.51	9
10	5.77 2.22	6.30 1.37	7.18 1.89	6.34 3.46	3.87 1.99	3.32 1.62	6.03 1.58	5.75 1.31	4.90 1.60	5.21 1.71	6.40 2.48	6.28 1.51	10
11	5.79 2.04	6.30 3.32	7.01 1.89	3.60 1.76	3.60 1.83	5.59 1.52	3.50 1.41	3.13 1.19 E	4.87 1.11 E	5.50 2.17	6.60 2.33	6.18 1.62	11
12	5.10 2.12	1.46 E	6.88 1.84	5.82 1.84	5.70 1.44	0.22 1.44	5.39 1.20	5.11 1.20	5.11 1.20	5.68 1.20	5.72 1.20	4.78 1.20	12
13	6.41 3.20	6.83 1.37	6.25 1.79	5.72 1.71	5.50 1.28	5.65 1.49	4.74 1.12 E	3.40 1.36	3.40 1.91	5.95 1.75	5.01 2.00	6.14 1.49	13
14	6.60 2.25	6.72 2.29	5.78 1.90	5.79 2.03	6.77 1.28	5.49 1.38	4.67 1.02 E	4.51 1.33	4.13 1.80	6.15 1.60	6.77 1.88	5.93 1.47	14
15	6.21 2.10	6.05 2.12	5.84 1.96	6.01 1.88	3.64 0.99 E	3.39 1.47 E	4.80 1.40 E	5.21 1.98	5.83 1.89	4.29 1.35	6.71 1.74	5.70 1.60	15
16	5.78 1.54	3.80 1.81	5.99 1.60	5.98 1.60	5.37 0.91 E	5.21 1.02 E	3.07 1.73	5.42 2.01	6.41 2.14	6.34 1.31	6.66 1.70	3.37 1.83	16
17	3.73 1.29	6.29 2.09	6.18 2.30	6.39 1.81	5.75 1.20 E	4.90 0.83 E	3.70 2.63	5.43 1.78	6.51 1.79	6.40 1.26	6.40 1.67	5.82 2.06	17
18	5.71 1.33	6.38 2.89	5.98 1.78	6.37 1.81	6.03 1.58	3.29 1.38	3.91 2.19	3.68 1.73	6.61 1.54	6.42 1.27	6.20 1.83	6.11 1.98	18
19	5.61 1.43	6.20 2.46	6.17 1.70	6.37 1.75	6.11 1.33	5.29 1.31 E	5.72 2.08	6.00 1.80	6.66 1.40	6.42 1.36	5.93 2.10	6.18 1.90	19
20	5.49 1.41	6.37 2.28	6.37 1.71	6.48 1.70	5.57 1.30	3.18 1.31	5.56 1.71	6.43 1.89	6.68 1.42	6.39 1.50	5.93 2.20	6.03 1.93	20
21	5.28 2.48	6.50 2.09	6.70 1.89	6.38 1.72	3.25 1.32	5.22 1.61	5.73 1.56	6.73 1.92	6.48 1.36 E	6.18 1.60	6.02 2.47	5.86 1.80	21
22	3.42 1.70	6.66 2.10	6.65 1.68	6.39 1.79	3.33 1.83	4.98 1.71	3.80 1.37 E	6.59 1.41	6.17 1.18 E	5.73 1.66	6.12 2.33	5.59 1.64	22
23	3.70 1.81	NR	6.30 1.36	6.02 1.70	5.16 1.81	5.16 1.11 E	3.71 1.46	6.43 1.46	5.80 1.28	3.63 1.80	6.05 2.21	3.66 1.51	23
24	3.88 1.71	NR	6.51 2.08	3.71 3.42	3.40 2.49	3.50 2.01	3.91 1.34 E	6.44 1.47	5.27 1.10 E	5.82 2.08	5.90 1.62	5.71 1.62	24
25	6.09 1.68	NR	6.12 1.51	5.31 1.69	5.27 2.11	5.80 2.04	6.03 1.43 E	6.21 1.51	3.49 1.45	5.98 2.20	6.00 1.52	4.96 1.71	25
26	6.06 1.36	NR	5.67 1.43	3.40 1.78	3.28 1.85	3.81 1.80	3.89 1.05 E	5.93 1.56	3.67 1.73	6.25 1.99	5.78 1.50	5.36 1.70	26
27	6.00 3.16	NR	3.89 3.88	5.89 2.30	5.10 1.66	5.86 1.70	5.46 0.97 E	5.60 1.33	5.97 2.04	6.33 1.93	4.65 1.36	5.63 1.69	27
28	5.80 1.32	NR	5.89 2.18	3.69 2.60	3.20 1.33 E	5.62 1.22 E	5.71 1.33 E	5.71 1.87	4.48 1.90	4.78 1.82	5.90 1.54	5.50 1.92	28
29	5.49 1.40	NR	6.10 2.36	6.10 2.91	5.59 2.91	5.59 1.09 E	3.38 1.24 E	3.75 1.94	6.22 1.74	6.45 1.75	6.01 1.76	5.64 2.24	29
30	5.23 1.27	NR	3.92 2.30	6.47 2.67	5.46 2.67	5.46 0.92 E	4.60 1.30 E	6.31 1.95	6.31 1.52	6.51 1.82	5.90 2.51	3.70 2.51	30
31	5.17 1.42	NR	5.90 2.51	6.34 2.07	5.38 2.07	5.38 1.09 E	3.75 1.63	3.75 1.63	6.18 1.41	5.63 1.70	6.18 1.70	5.63 1.70	31
MAXIMUM	6.60	NR	7.18	7.10	7.31	5.96	6.36	6.73	6.68	6.51	6.77	6.28	MAXIMUM
MINIMUM	1.29	NR	1.36	1.39	0.91 E	0.60 E	0.97 E	1.19	1.00	1.20	1.36	1.41	MINIMUM

E - Estimated
NR - No Record

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC T & R M D B AM	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM	
			CFS	GAGE HT	DATE			FROM	TO		
38°04'25"	121°51'18"	SW27 3N 1E	9.2		4/6/58		June 29-Date	1929		-3.05	USGS

Station located 0.4 mi. SW of Colliosville, 3.3 mi. NE of Pittsburg.
Maximum gage height does not indicate maximum discharge.

TABLE 8-3
DAILY MAXIMUM AND MINIMUM TIDES
SUITSUN BAY AT BENICIA

STATION NO	WATER YEAR
E03300	1966

DATE	in feet											OATE		
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG		SEPT	
1	2.81 0.65	NR	2+3 -1.70	2.75 E -1.68 E	4.00 -2.18 E	1.43 -2.47	2.91 -3.03 E	2.81 -2.45	1.16 E -2.71 E	2.07 -2.70	3.58 -2.50	2.76 -2.17	1	
2	2.82 -2.01	NR	2.70 -1.69	2.87 E -2.30 E	3.85 -2.82	3.02 -3.09	3.15 -2.88	2.25 -2.09	3.48 E -3.04 E	3.75 -2.92	3.47 -2.30	2.60 -1.80	2	
3	2.65 -2.01	NR	2.68 -1.46	3.57 E -2.33 E	4.30 -2.61	2.78 -3.80	3.51 -2.17	3.16 -2.35	3.47 E -3.30 E	3.42 -3.02	3.23 -2.23	2.60 -1.57	3	
4	2.60 -2.08	NR	2.93 -1.80	4.30 E -2.11 E	4.70 -2.81	3.12 -3.70	3.25 -2.12	3.58 -2.47	3.32 E -3.35 E	3.51 -2.75	2.91 -2.72	2.63 -1.34	4	
5	2.59 -2.20	NR	3.39 -2.10	4.40 E -2.84 E	4.58 -2.81	3.32 -3.59	3.32 -2.02	3.60 -2.79	3.30 E -3.13 E	3.23 -2.64	2.57 -1.94	2.90 -0.72	5	
6	2.77 -2.19	NR	3.58 -2.40	4.18 E -3.38 E	4.43 -2.75	3.49 -3.11	3.45 -2.38	3.62 -3.08	3.21 E -2.96 E	2.98 -2.57	2.52 -1.75	3.02 -1.39	6	
7	3.11 -1.99	NR	3.86 -2.69	4.38 E -3.23 E	2.72 -2.65	3.23 -2.98	3.64 -2.47	3.59 -3.00	2.89 E -2.91 E	2.70 -2.35	2.70 -1.31	2.92 -1.47	7	
8	3.05 -1.82	NR	3.70 -2.58	4.20 -3.12 E	4.38 E -3.32 E	3.47 -2.66	3.57 -2.69	3.58 -2.73	2.50 E -2.58 E	2.22 -2.19	3.05 -0.69	2.81 -1.99	8	
9	3.23 -1.20	NR	3.60 -2.51	4.50 -2.67	3.90 E -3.30 E	3.06 -2.65	2.40 -2.20	3.50 -2.32	3.40 -2.42 E	2.23 -1.98	3.26 -0.80	3.09 -2.38	9	
10	3.16 -1.69	NR	3.73 -2.79 E	4.50 -2.73	3.51 E -3.13 E	3.12 -2.02	3.08 -2.42	3.22 -2.53	2.83 -2.52	2.10 E -2.20 E	2.50 -1.73	3.40 -2.48	10	
11	3.25 -2.00	NR	3.71 -2.80	4.38 -2.65	2.81 E -3.07 E	2.90 -2.20	3.07 -2.48	2.72 -2.62	2.32 -2.50	2.16 E -2.24 E	2.75 -1.19	3.45 -2.60	11	
12	3.57 -1.92	NR	3.87 -2.61	3.99 -2.57	2.07 -1.09	2.90 -2.53	3.08 -2.53	2.52 -2.18	2.39 -1.70 E	2.42 E -1.93	2.93 -1.92	3.79 -2.92	12	
13	3.77 -1.97	NR	4.29 1.16	3.50 0.66	3.02 -2.48	2.68 -2.70	2.90 -2.50	1.94 -2.72	2.60 -2.01	2.71 E -1.52 E	3.17 -1.93	2.22 -2.95	13	
14	3.85 -2.09	NR	4.05 -1.50	2.99 -2.30	3.07 -1.91	2.91 -2.82	2.69 -2.58	2.01 -2.63	2.48 -2.05	3.19 E -1.74 E	3.41 -2.30	4.01 -2.55	3.33 -2.90	14
15	3.29 0.40	NR	3.32 -1.82	3.28 -2.22	3.29 -2.23	2.83 -3.09	2.67 E -2.47	2.02 -2.37	2.70 -1.66	3.56 E -1.86 E	3.63 -2.68	3.15 -2.59	15	
16	2.95 -2.62	NR	3.10 -2.18	2.40 -1.91	3.23 -2.65	2.81 -3.22	2.38 -2.05	2.35 -1.64	2.79 -1.94 E	3.76 E -2.99	3.77 -2.76	4.03 -2.24	16	
17	2.90 -2.82	NR	3.57 -1.84	3.63 -1.59	3.61 -2.56	3.01 -3.00	2.19 -3.18	1.76 -2.73	1.61 -2.07	1.99 E -2.31 E	3.79 -2.76	3.80 -2.20	17	
18	2.75 -2.76	NR	3.91 -0.95	3.45 -2.23	3.81 -2.59	3.11 -2.61	2.53 -2.73	3.10 -1.50	3.05 -2.25	3.82 E -2.70 E	3.80 -2.50	3.59 -2.08	18	
19	2.75 -2.74	NR	3.60 -1.55	3.60 -2.49	3.82 -2.68	3.42 -2.67	2.39 -1.74	3.01 -2.39	3.33 -2.79 E	3.94 E -2.70 E	3.82 -2.13	3.55 -2.04	19	
20	2.78 -2.71	NR	3.80 -1.98	3.77 -2.56	3.79 -2.71	2.88 -2.78	2.37 -2.64	2.90 -2.22	3.65 -3.16 E	3.98 E -3.16 E	3.80 -2.87	3.29 -2.05	20	
21	2.78 -2.64	NR	3.96 -2.24	4.09 -2.40	3.69 -2.62	2.60 -2.64	2.41 -2.59	3.03 -2.43	3.88 -2.40	3.77 E -3.14 E	3.49 -2.65	3.32 -1.35	2.93 -2.25	21
22	2.93 -2.40	NR	4.09 -2.27	3.98 -2.70	3.69 -2.50	2.80 -2.17	2.32 -2.23	3.14 -2.72	3.80 -2.71	3.41 E -2.90 E	2.99 -2.41	3.38 -1.70	2.70 -2.33	22
23	3.22 -2.22	NR	4.31 -1.97	3.67 -3.00	3.28 -2.56	2.49 -1.90	2.49 -2.07	3.10 -3.02	3.69 -2.76	3.08 E -2.79 E	3.05 -2.10	3.28 -1.72	2.70 -2.50	23
24	3.41 -2.43	NR	4.40 -2.01	3.99 -2.20	2.93 -2.46	2.81 -1.59	2.83 -1.89	3.20 -2.88	3.51 -2.71	2.51 E -2.60 E	3.22 -2.19	3.06 -2.19	2.80 -2.42	24
25	3.63 -1.00	NR	3.90 -2.49	3.40 -2.73	2.62 -2.19	2.62 -1.50	3.00 -1.98	3.19 -2.69	3.22 -2.62	2.88 E -2.12 E	3.38 -1.43	3.10 -2.49	2.76 -2.35	25
26	NR	NR	3.35 -2.75 E	2.99 -1.08	2.69 -1.08	2.50 -1.91	2.98 -2.27	2.69 -2.92	2.62 -2.50	2.13 E -1.73 E	3.07 E -1.81	3.59 -2.54	3.04 -2.29	26
27	NR	NR	2.89 -2.68	3.16 -1.71	3.18 -0.90	2.33 -2.22	3.00 -2.38	2.68 -3.02 E	2.80 E -2.26 E	3.39 E -1.60 E	3.61 -2.10	3.18 -2.70	2.35 -2.29	27
28	NR	NR	2.45 -2.44	3.40 E -1.31 E	2.90 -0.33	2.39 -2.41	2.80 -2.66	2.67 -2.53	2.90 E -1.99 E	3.63 E -1.73 E	3.61 -2.34	2.09 -2.56	2.86 -1.91	28
29	NR	NR	2.33 -1.10	3.29 E -1.24 E	3.31 -0.09 E	2.69 -2.77	2.52 -2.69	3.16 E -1.84 E	3.67 -0.22	3.67 -2.48	3.69 -2.38	3.22 -1.52	3.00 -2.79	29
30	NR	NR	1.99 0.71	3.09 E 0.20 E	3.62 -1.00	2.59 -3.05 E	2.59 -2.69	3.22 E -1.76 E	3.74 -2.62	3.60 -2.48	3.19 -2.30	2.97 -1.35	3.00 -1.35	30
31	NR	NR	2.99 -1.33 E	1.79 -1.89	2.83 -1.89	2.83 -3.04	3.45 -3.04	3.40 -2.26 E	3.60 -2.26 E	3.21 E -2.26 E	2.98 -2.67	2.52 -2.37	3.02 -1.39	31
MAXIMUM	3.85	4.40	4.50	4.40	4.70	3.49	3.64	3.88	3.98 E	3.82	4.03	3.55	MAXIMUM	
MINIMUM	-2.82	-2.80	-3.00	-3.38	-3.22	-3.80	-3.03	-3.08	-3.35 E	-3.34	-2.76	-2.92	MINIMUM	

E - Estimated
NR - No Record

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CF5	GAGE HT	DATE			FROM	TO		
38°02'26"	122°08'44"	SW6 2N 2W		5.7	4/6/58		Jun 29-Apr 40 Apr 40-Date	1929 1940 1942	1940 1942	-2.21 -5.00 0.00	USGS USGS USGS

Station located on inshore side of wharf, immediately SE of Benicia.
Maximum gage height listed does not indicate maximum discharge.
Period of record intermittent from 1929-1940.

TABLE B-4

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

1924 TO DATE

Bull. No.	Report :	Page :	Name :	Location of Error or Revision :		Change or Revision	
				Item :	From :	To :	
Bull. No. 23-62	394		Suisun Bay at Benicia Arsenal	Daily Maximum and Minimum Tides for the period 3-1-62 to 3-28-62, inclusive. Maximum for March 1962	Published values	2.00 ft. lower than published values.	
				<u>1962</u>			
Bull. No. 130-63	B-7		Suisun Bay at Benicia Arsenal	Maximum Gage Height of Record	6.72	5.7	
				Date of Maximum Gage Height of Record	3/5/62	4/6/58	
				<u>1964</u>			
Bull. No. 130-64	48		Suisun Bay at Benicia Arsenal	Maximum Gage Height of Record	6.72	5.7	
				Date of Maximum Gage Height of Record	3/5/62	4/6/58	
Bull. No. 130-64	*52		City of Vallejo from Cache Slough	Total acre-feet Average cubic feet per second Monthly quantities in percent of seasonal	Published values	Values published in Bulletin No. 130-66 Table B-2	

*Changes not previously reported.

Appendix C

GROUND WATER MEASUREMENT

INTRODUCTION

Data in this appendix includes ground water level measurements from 360 wells for the period from October 1, 1965 through September 30, 1966. Hydrographs of selected wells and tables which summarize the measurements are also included. Wells were selected to reflect the ground water conditions of the area. Well networks are continuously reviewed and, when conditions dictate, replacement wells are located and measured.

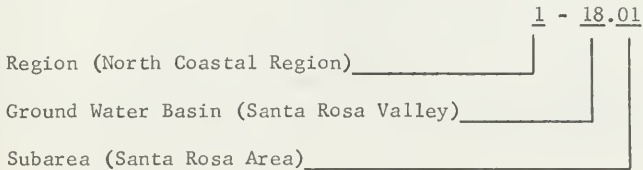
There are 31 ground water basins or areas in the Central Coastal Area for which data are reported.

Processing the Data

Two numbering systems are combined by the Department to facilitate processing of water level measurement data: the Region and Basin Designation and the State Well Numbering System.

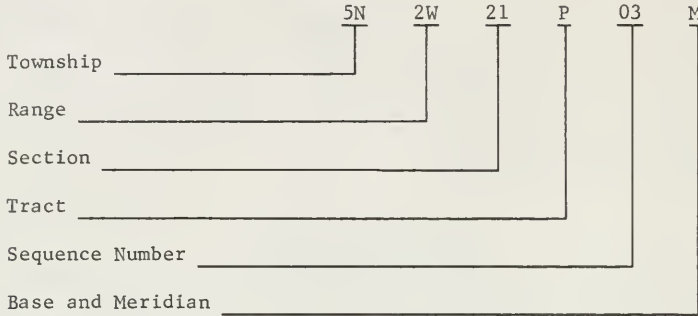
Region and Basin Designation

The regions used in this report are geographic areas defined in Section 13040 of the Water Code. That portion of Northern California covered by this report comprises the southern portion of North Coastal Region No. 1, the Northern portion of Central Coastal Region No. 3, and all of San Francisco Bay Region No. 2. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:



State Well Numbering System

The State Well Numbering System is based on township, range, and section subdivisions of the Public Land Survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



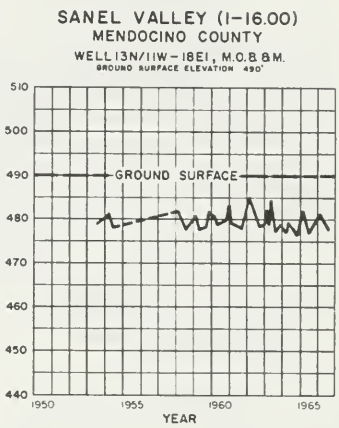
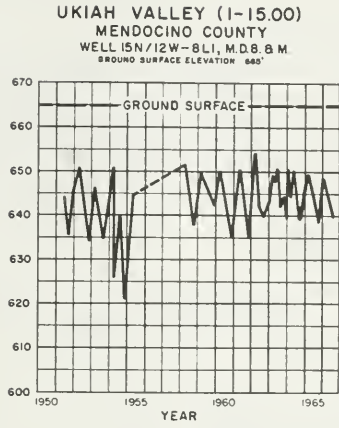
This number identifies and locates the well. In the example, the well is in Township 5 North, Range 2 West, Tract P of Section 21, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Sequence numbers in a tract are generally assigned in chronological order. The example designates the third well to be assigned a number in Tract P.

FIGURE C1 FLUCTUATION OF WATER LEVEL IN WELLS NORTH COASTAL REGION

E L E V A T I O N I N F E E T - U S C B G S D A T U M



- - - - - CONNECTS MEASUREMENTS MADE AT INTERVALS
OF A YEAR OR MORE.

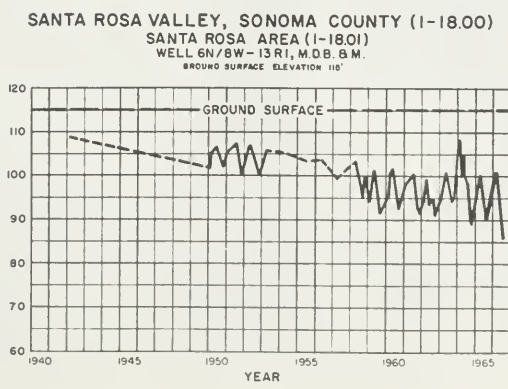
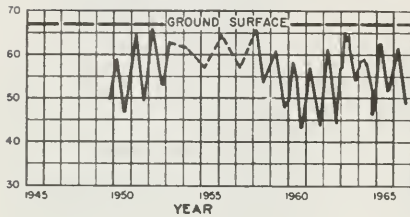


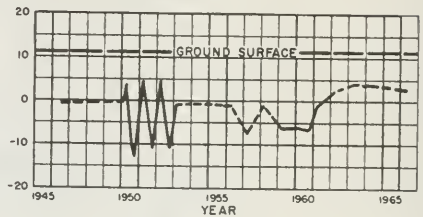
FIGURE C1
FLUCTUATION OF WATER LEVEL
IN WELLS
SAN FRANCISCO BAY REGION

ELEVATION IN FEET - U.S.C.G.S. DATUM

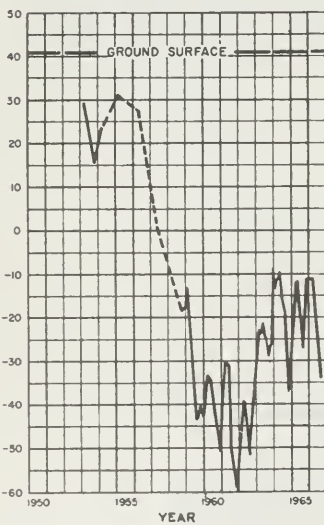
NAPA VALLEY (2-2.01)
 NAPA COUNTY
 WELL 6N/4W-17A1, M.D.B. & M.
 GROUND SURFACE ELEVATION 87'



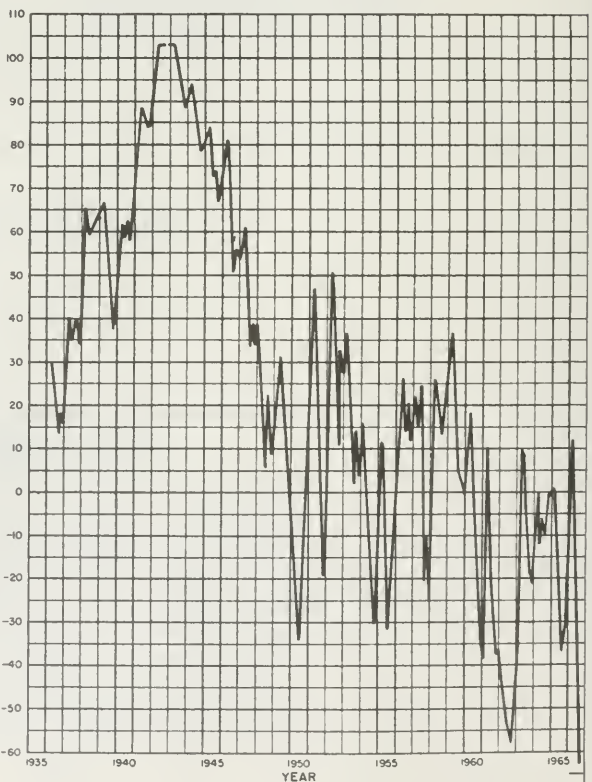
SONOMA VALLEY (2-2.02)
 SONOMA COUNTY
 WELL 5N/5W-2B1, M.D.B. & M.
 GROUND SURFACE ELEVATION 11'



PETALUMA VALLEY (2-1.00)
 SONOMA COUNTY
 WELL 5N/7W-20B2, M.D.B. & M.
 GROUND SURFACE ELEVATION 41'



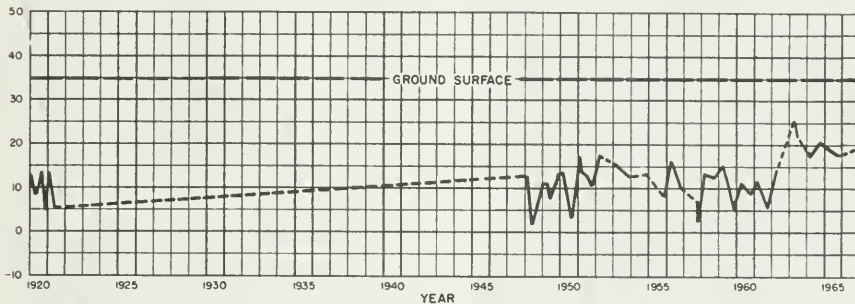
SANTA CLARA VALLEY (2-9.00)
 NORTH SANTA CLARA COUNTY (2-9.02)
 WELL 7S/E-31A2, M.D.B. & M.
 GROUND SURFACE ELEVATION 184'



----- CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE.

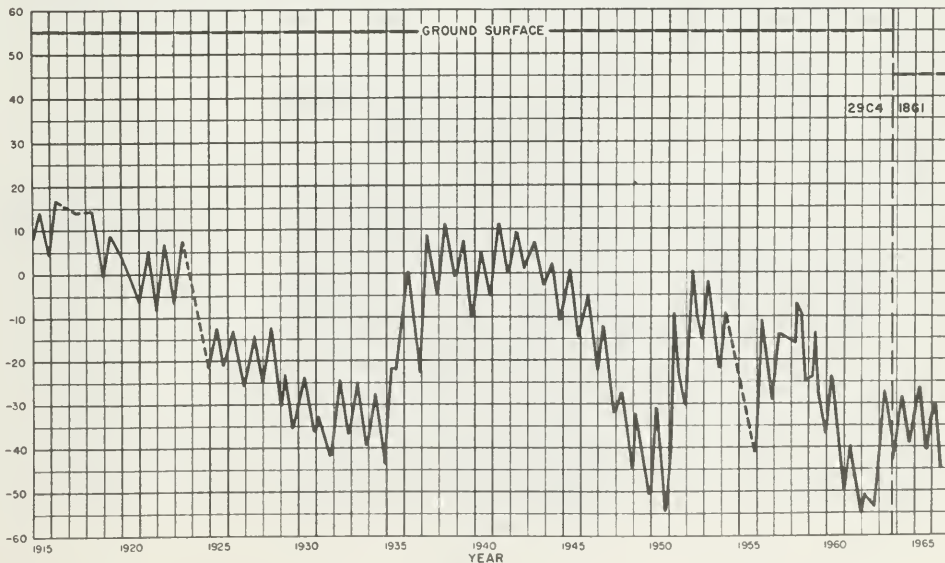
FIGURE C1
FLUCTUATION OF WATER LEVEL
IN WELLS
SAN FRANCISCO BAY REGION

SUISUN-FAIRFIELD VALLEY (2-3.00)
 SOLANO COUNTY
 WELL 4N/2W-6A1, M.D.B. & M.
 GROUND SURFACE ELEVATION 35'



----- CONNECTS MEASUREMENTS MADE AT
 INTERVALS OF A YEAR OR MORE.

SANTA CLARA VALLEY (2-9.01)
 SOUTH ALAMEDA COUNTY (2-9.01) UPPER AQUIFER
 WELL 4S/1W-29C4, WELL 4S/1W-18G1, M.D.B. & M.
 GROUND SURFACE ELEVATION 55', 48'



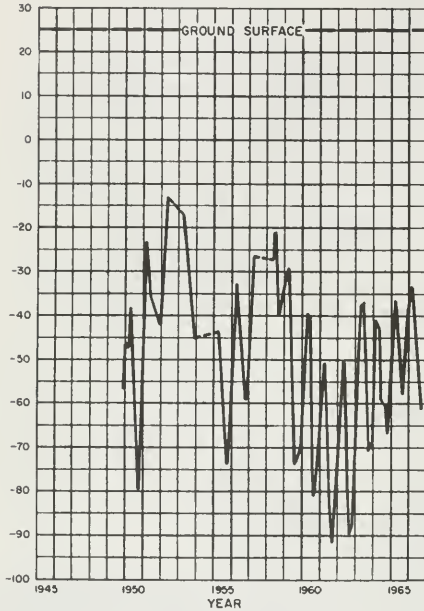
ELEVATION IN FEET - U.S.C. & G.S. DATUM

FIGURE C1

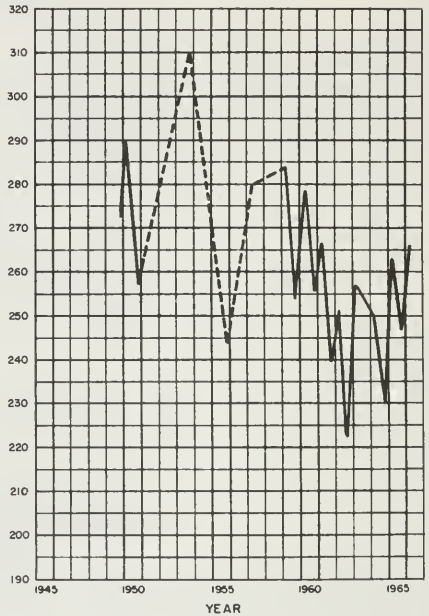
FLUCTUATION OF WATER LEVEL IN WELLS SAN FRANCISCO BAY REGION

E L E V A T I O N I N F E E T — U S C B G G S D A T U M

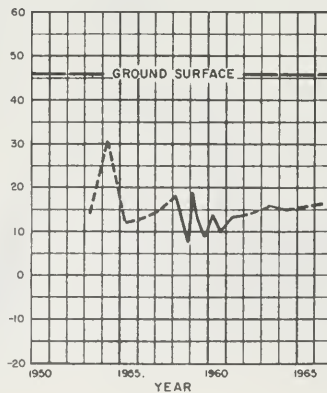
SANTA CLARA VALLEY (2-9.00)
 SOUTH ALAMEDA COUNTY (2-9.01) LOWER AQUIFER
 WELL 4S/2W-36KI, M.D.B.&M.
 GROUND SURFACE ELEVATION 25'



LIVERMORE VALLEY (2-10.00)
 ALAMEDA COUNTY
 WELL 3S/1E-11HI, M.D.B.&M.
 GROUND SURFACE ELEVATION 375'



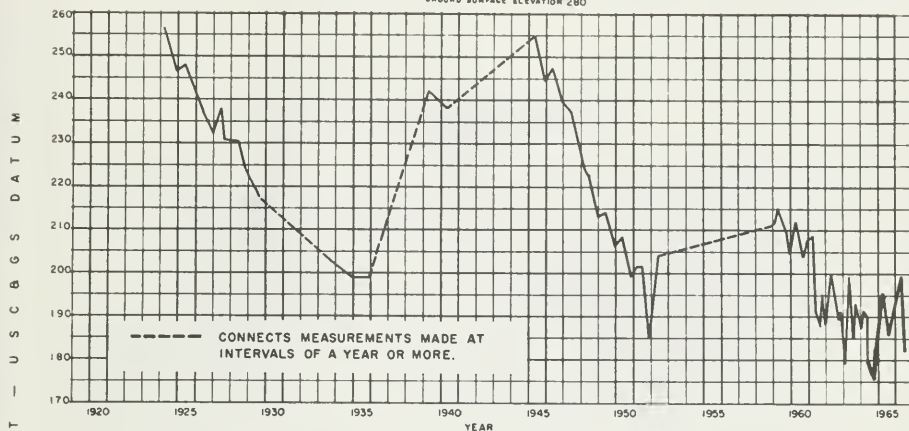
HALF MOON BAY TERRACE (2-22.00)
 SAN MATEO COUNTY
 WELL 5S/5W-29NI, M.D.B.&M.
 GROUND SURFACE ELEVATION 46'



--- CONNECTS MEASUREMENTS
 MADE AT INTERVALS OF
 A YEAR OR MORE.

FIGURE C1
FLUCTUATION OF WATER LEVEL
IN WELLS
CENTRAL COASTAL REGION

GILROY-HOLLISTER VALLEY (3-3.00)
 SAN BENITO COUNTY (3-3.02)
 WELL 12S/5E-33A1, M.D.B.M.
 GROUND SURFACE ELEVATION 280'



GILROY-HOLLISTER VALLEY (3-3.00)
 SOUTH SANTA CLARA VALLEY (3-3.01)
 WELL 9S/3E-27C2, M.D.B.M.
 GROUND SURFACE ELEVATION 347'

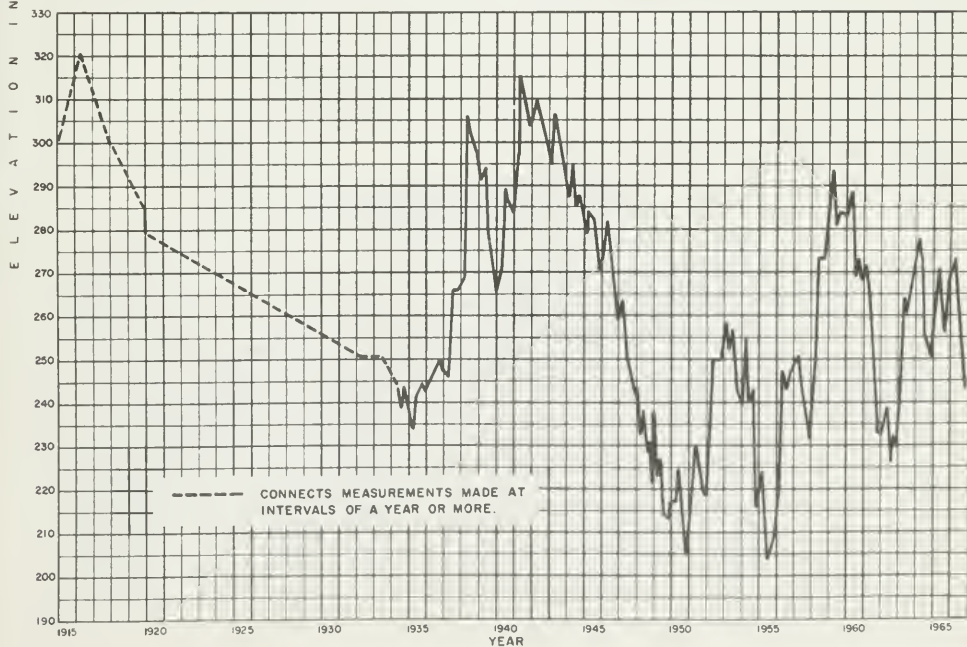
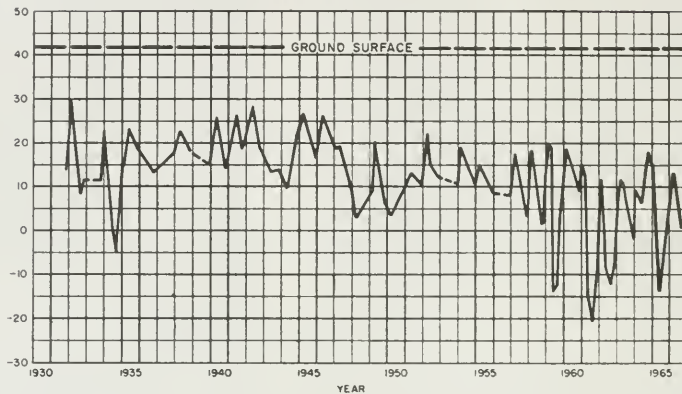


FIGURE C1
FLUCTUATION OF WATER LEVEL
IN WELLS
CENTRAL COASTAL REGION

SALINAS VALLEY, MONTEREY COUNTY (3-4.00)
 PRESSURE AREA - 180 FOOT AQUIFER (3-4.01)
 WELL 15S/2E-1Q1, M DB Ø M
 GROUND SURFACE ELEVATION 42'



----- CONNECTS MEASUREMENTS MADE AT
 INTERVALS OF A YEAR OR MORE.

SALINAS VALLEY, MONTEREY COUNTY (3-4.00)
 PRESSURE AREA - 400 FOOT AQUIFER (3-4.01)
 WELL 14S/3E-1B11, M DB Ø M
 GROUND SURFACE ELEVATION 71'

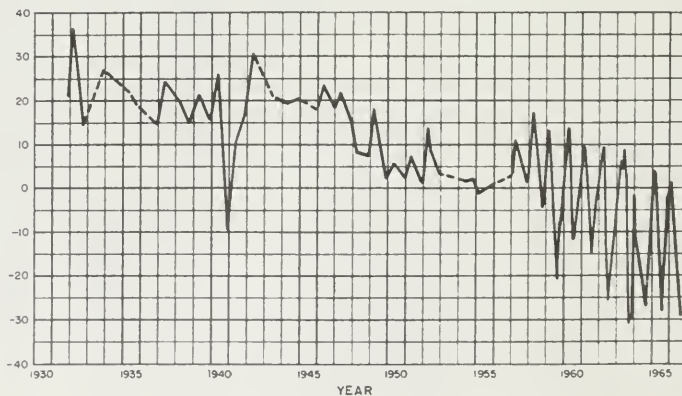
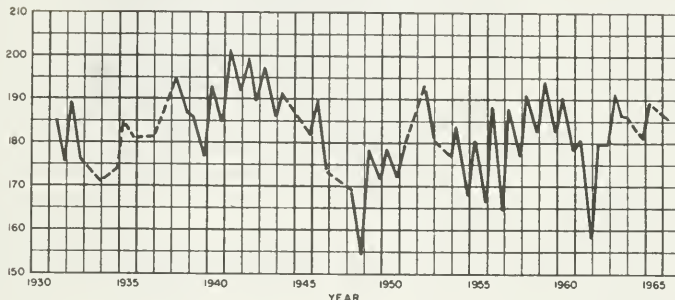


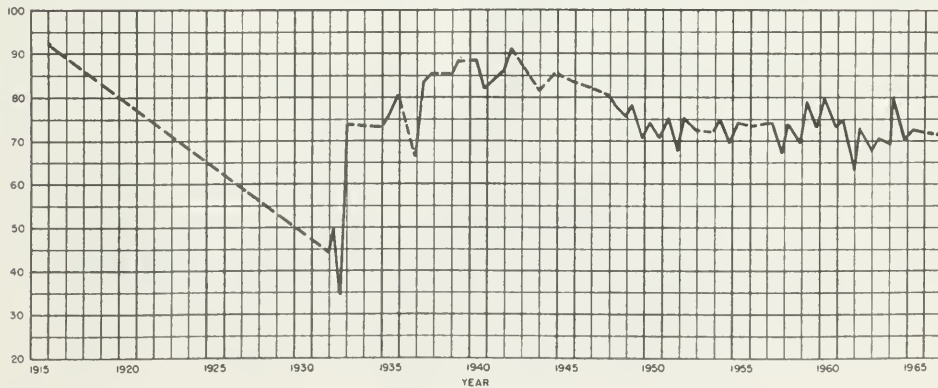
FIGURE C1
FLUCTUATION OF WATER LEVEL
IN WELLS
CENTRAL COASTAL REGION

SALINAS VALLEY, MONTEREY COUNTY (3-4.00)
ARROYO SECO CONE (3-4.04)
WELL 18S/6E-15MI, M.D.B.B.M.
GROUND SURFACE ELEVATION 277'



----- CONNECTS MEASUREMENTS MADE AT INTERVALS
 OF A YEAR OR MORE.

SALINAS VALLEY, MONTEREY COUNTY (3-4.00)
EAST SIDE AREA (3-4.02)
WELL 16S/5E-17RI, M.D.B.B.M.
GROUND SURFACE ELEVATION 161'

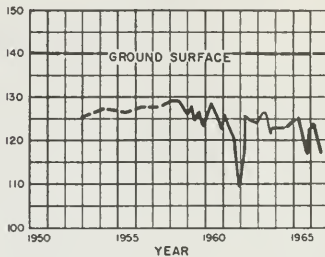


E L E V A T I O N I N F E E T — U S C B G S D A T U M

FIGURE C1

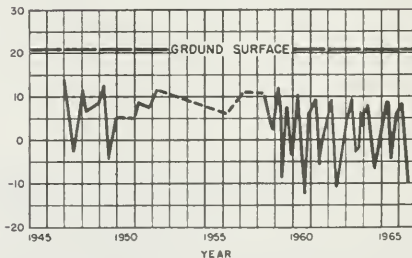
FLUCTUATION OF WATER LEVEL IN WELLS CENTRAL COASTAL REGION

CARMEL VALLEY (3-7.00)
MONTEREY COUNTY
WELL 16S/1E-25B1, M.D.B.M.
GROUND SURFACE ELEVATION 140'



--- CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE.

PAJARO VALLEY (3-2.00)
MONTEREY COUNTY
WELL 12S/2E-16J1, M.D.B.M.
GROUND SURFACE ELEVATION 21'



SALINAS VALLEY, MONTEREY COUNTY (3-4.00)
UPPER VALLEY AREA (3-4.05)
WELL 19S/7E-10P1, M.D.B.M.
GROUND SURFACE ELEVATION 318'

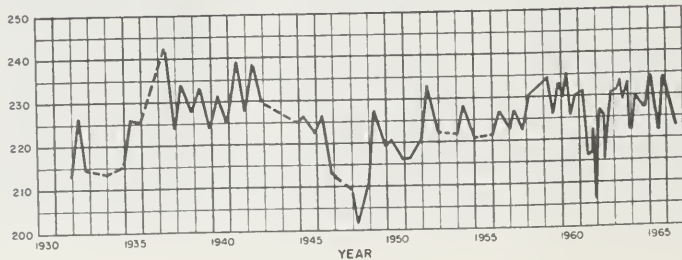


TABLE C-1

AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1965 TO SPRING 1966 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1965-66	FALL 1965	SPRING 1966
NORTH COASTAL REGION						
Potter Valley	1-14.00	+0.3	U. S. Geological Survey	2		
Ukiah Valley	1-15.00	-1.0	U. S. Geological Survey	2		
Sanel Valley	1-16.00	-0.2	U. S. Geological Survey	3		
Alexander Valley	1-17.00	+0.4	U. S. Geological Survey	6		
Santa Rosa Valley	1-18.00	+1.4				
Santa Rosa Area	1-18.01	+1.4	U. S. Geological Survey Department of Water Resources	3		9
Healdsburg Area	1-18.02	+1.3	U. S. Geological Survey	9		
Lower Russian River Valley	1-98.00	-0.9	U. S. Geological Survey	3		
SAN FRANCISCO BAY REGION						
Petaluma Valley	2-01.00	+0.8	Department of Water Resources	3		3
Napa-Sonoma Valley	2-02.00	+0.4				
Napa Valley	2-02.01	+0.9	Napa County Department of Water Resources	4		114
Sonoma Valley	2-02.02	-0.7	Department of Water Resources	4		1
Suisun-Fairfield Valley	2-03.00	+0.1	Solano County Department of Water Resources	6	16	
Ygnacio Valley	2-06.00	-0.6	Department of Water Resources	4		1
Santa Clara Valley	2-09.00	+6.8				
East Bay Area	2-09.01	+2.7	Alameda County FC&WCD Alameda County Water District Department of Water Resources	5 3	50 365	47 369
South Bay Area	2-09.02	+9.5	Santa Clara Valley WCD U. S. Geological Survey	235 3		
Livermore Valley	2-10.00	-3.1	Alameda County FC&WCD	9	148	146
Half Moon Bay Terrace	2-22.00	+0.6	Department of Water Resources	3		4
San Gregorio Valley	2-24.00	-0.5	Department of Water Resources	2		3
Pescadero Valley	2-26.00	+1.2	Department of Water Resources	3		4

TABLE C-1

AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1965 TO SPRING 1966 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1965-66	FALL 1965	SPRING 1966
CENTRAL COASTAL REGION						
Soquel Valley	3-01.00	+0.5	Santa Cruz County Department of Water Resources	3		1
Pajaro Valley	3-02.00	-0.9	City of Watsonville Monterey County FC&WCD Santa Cruz County Department of Water Resources	4	43	8 36 41 4
Gilroy-Hollister Valley	3-03.00	-0.8				
South Santa Clara County	3-03.01	-2.3	City of Gilroy Santa Clara Valley WCD South Santa Clara Valley WCD Department of Water Resources	5 16	23	20 18
San Benito County	3-03.02	0.0	Pacheco Pass Water District San Benito County Department of Water Resources		24	26 54 2
Salinas Valley	3-04.00	-1.8				
Pressure Area	3-04.01	-4.6	Monterey County FC&WCD	15	169	159
East Side Area	3-04.02	-6.1	Monterey County FC&WCD	10	99	72
Forebay Area	3-04.03	-1.3	Monterey County FC&WCD	8	52	44
Arroyo Seco Cone	3-04.04	-2.4	Monterey County FC&WCD	4	25	21
Upper Valley Area	3-04.05	-1.2	Monterey County FC&WCD	7	47	33
Paso Robles Basin	3-04.06	-1.3	San Luis Obispo County FC&WCD		96	98
Seaside Area	3-04.08	-0.8	Monterey County FC&WCD Post Engineer, Fort Ord	2	16	18
Langley Area	3-04.09	0.0	Monterey County FC&WCD		13	11
Corral de Tierra Area	3-04.10	+0.6	Monterey County FC&WCD	4	24	25
Carmel Valley	3-07.00	-0.3	Monterey County FC&WCD	4	33	30
West Santa Cruz Terrace	3-26.00	+0.1	Santa Cruz County			5
TOTAL				410	1243	1427

Ground Water Levels at Wells

Following is an explanation of the column headings and the code symbols used in the tables showing ground water levels at wells:

State Well Number - See Appendix C, Introduction.

Ground Surface Elevation - These numbers indicate the elevation in feet above mean sea level (USC&GS datum) of the ground surface at the well. Elevations of ground surface are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date - The date shown in the column is the date when the depth measurement given in the next column was made. If the day of the month is unknown, it is indicated by 00.

Ground Surface to Water Surface - This is the measured depth in feet from the ground surface to the water surface in the well. Certain depth measurements in the column may be preceded by a number in parenthesis to indicate a questionable measurement. The code applicable to these "questionable measurements" is as follows:

- | | |
|---------------------------|--|
| (0) Caved or deepened | (5) Air or pressure gage measurement |
| (1) Pumping | (6) Other |
| (2) Nearby pump operating | (7) Recharge operation at or near well |
| (3) Casing leaking or wet | (8) Oil in casing |
| (4) Pumped recently | |

When a measurement was attempted but could not be obtained, then only a number in parenthesis is shown in the column. The code applicable to these "no measurements" is as follows:

- | | |
|-------------------------------|------------------------------|
| (0) Measurements discontinued | (5) Unable to locate well |
| (1) Pumping | (6) Well has been destroyed |
| (2) Pumphouse locked | (7) Special |
| (3) Tape hung up | (8) Casing leaking or wet |
| (4) Cannot get tape in casing | (9) Temporarily inaccessible |

The words FLOW and DRY are shown in this column to indicate a flowing or dry well, respectively. A minus preceding the number in this column indicates that the static water level in the well is this distance in feet above the ground surface.

Water Surface Elevation - This is the elevation in feet above mean sea level (USC&GS datum) of the water surface in the well. It was derived by subtraction of the depth measurement from the ground surface elevation.

Agency Supplying Data - Each number in this column is the code number for the agency supplying data for that measurement. The agencies supplying data for this report and the code numbers assigned to them are as follows:

<u>Agency Code</u>	<u>Agency</u>
<u>North Coastal Region (No. 1)</u>	
5000	U. S. Geological Survey
5050	Department of Water Resources
<u>San Francisco Bay Region (No. 2)</u>	
2400	Santa Clara Valley Water Conservation District
5000	U. S. Geological Survey
5050	Department of Water Resources
5100	Alameda County Flood Control and Water Conservation District
5101	Napa County
5109	Solano County
5401	Alameda County Water District
<u>Central Coastal Region (No. 3)</u>	
2100	Monterey County Flood Control and Water Conservation District
2400	Santa Clara Valley Water Conservation District
5050	Department of Water Resources
5005	Post Engineer, Fort Ord
5101	San Benito County
5102	Santa Cruz County
5117	San Luis Obispo County Flood Control and Water Conservation District
5200	Gilroy, City of
5400	South Santa Clara Valley Water Conservation District

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION (No. 1)					
POTTER VALLEY 1-14.00					
17N/11W-18J01 M	955.0	11-10-65	-0.4	955.4	5000
		12-09-65	-1.2	956.2	
		1-18-66	0.2	955.2	
		2-23-66	0.7	954.3	
		3-22-66	-1.3	956.3	
		4-19-66	-1.1	956.1	
		8-23-66	3.5	951.5	5050
SANEL VALLEY 1-16.00					
13N/11W-19F01 M	488.0	11-10-65		469.7	5000
		12-10-65		477.7	
		1-18-66		479.8	
		2-23-66		479.0	
		3-24-66		478.6	
		4-21-66		477.7	
		8-23-66		470.2	5050
13N/11W-20G01 M	515.0	11-10-65	(1)	509.3	5000
		12-10-65		510.4	
		1-18-66		510.4	
		2-23-66		510.4	
		3-24-66		510.3	
		4-21-66		510.0	
		8-23-66	(9)	510.0	5050
ALEXANDER VALLEY 1-17.00					
10N/09W-18B01 M	230.0	11-10-65	(1)	211.9	5000
		12-10-65		215.4	
		1-18-66		215.2	
		2-24-66		215.2	
		3-31-66		213.5	
		4-20-66		212.8	
		8-23-66	(1)	202.5	5050
10N/09W-26L02 M	205.0	11-10-65		179.0	5000
		12-10-65		193.4	
		1-18-66		202.5	
		2-24-66		198.7	
		3-31-66		202.9	
		4-20-66		202.4	
		8-23-66		192.0	5050
10N/09W-33C01 M	180.0	11-10-65		173.0	5000
		12-10-65		174.9	
		1-18-66		181.9	
		2-24-66		176.2	
		3-31-66		165.4	
		4-20-66		164.4	
		8-23-66		172.5	5050
UKIAH VALLEY 1-15.00					
15N/12W-08L01 M	665.0	11-10-65	26.9	638.1	5000
		12-10-65	21.1	643.9	
		1-18-66	16.1	648.9	
		2-23-66	17.0	648.0	
		3-24-66	17.6	647.4	
		4-21-66	19.2	645.8	
		8-23-66	24.7	640.3	5050
15N/12W-35N01 M	600.0	11-10-65	10.2	589.8	5000
		12-10-65	6.8	593.2	
		1-18-66	3.9	596.1	
		2-23-66	3.3	596.7	
		3-24-66	(4)	595.6	
		4-21-66	(4)	594.9	
		8-23-66	3.4	596.6	5050
SANEL VALLEY 1-16.00					
13N/11W-18E01 M	490.0	11-10-65	(1)	479.0	5000
		1-18-66	11.0	481.1	
		2-23-66	9.8	480.2	
		3-24-66	(4)	480.3	
		4-21-66	(1)	477.7	
		8-23-66	(1)	477.7	5050

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
ALEXANDER VALLEY					
11N/10W-08P01 M	305.0	3-01-66 3-31-66 4-20-66 8-23-66	(4) 7.9 9.3 10.2 13.3	297.1 295.7 294.8 291.7	5050
11N/10W-17P02 M	292.0	11-10-65 12-10-65 1-18-66 3-01-66 3-31-66 4-20-66 8-23-66	10.0 9.0 6.1 6.9 7.9 8.7 10.4	282.0 283.0 282.9 285.1 284.1 283.3 281.6	5000
11N/10W-19F02 M	346.0	11-10-65 12-10-65 1-18-66 3-01-66 3-31-66 4-20-66 8-23-66	12.4 3.7 3.5 3.4 3.9 4.2 11.0	333.6 342.3 342.5 342.6 342.1 341.8 335.0	5000
SANTA ROSA VALLEY					
SANTA ROSA AREA					
06N/08W-07P02 M	95.0	11-11-65 12-10-65 1-18-66 2-24-66 3-30-66 4-20-66 8-24-66	23.5 19.9 16.4 12.0 13.7 14.6 (8) 25.7	71.5 75.1 78.6 83.0 81.3 80.4 69.3	5000
06N/08W-13R01 M	115.0	11-11-65 12-10-65 1-18-66 2-23-66 3-30-66 4-19-66 8-24-66	(1) 21.0 17.7 15.2 14.0 15.0 28.7	94.0 97.3 99.8 101.0 100.0 86.3	5000
06N/08W-15J03 M	95.0	4-12-66	11.2	83.8	5050
06N/08W-15R01 M	95.0	4-12-66	17.0	78.0	5050
07N/06W-19N01 M	465.0	4-13-66	6.0	459.0	5050
07N/07W-06R01 M	275.0	4-13-66	6.7	268.3	5050
SANTA ROSA AREA					
HEALDSBURG AREA					
08N/09W-36P01 M	90.0	4-12-66	53.3	36.7	5050
08N/09W-03P01 M	77.0	11-11-65 11-30-65 1-15-66 2-11-66 3-14-66 4-15-66 5-16-66 6-20-66 7-15-66 8-22-66 9-15-66	(1) (1) (1) (7) 8.8 (1) (1) 5.1 5.8 6.6 7.0 7.3	11-11-65 11-30-65 1-15-66 2-11-66 3-14-66 4-15-66 5-16-66 6-20-66 7-15-66 8-22-66 9-15-66	5000
08N/09W-22L01 M	67.0	11-11-65 11-30-65 1-15-66 2-11-66 3-14-66 4-15-66 5-16-66 6-20-66 7-15-66 8-22-66 9-15-66	28.9 27.1 25.5 22.5 (1) 28.7 27.2 27.0 33.1 30.0 (4) 30.0	38.1 39.9 44.5 41.8 38.3 39.8 40.0 33.5 33.9 37.0 37.0	5000
09N/09W-20E02 M	100.0	11-10-65 11-30-65 1-15-66 2-11-66	16.9 13.8 13.6 13.4	83.1 86.2 86.4 86.6	5000

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
HEALDSBURG AREA 1-18-02					
09N/09W-20E02 M	100.0	3-14-66	13.8	86.2	5000
		4-15-66	14.7	85.3	
		5-16-66	15.4	84.6	
		6-20-66	15.7	84.3	
		7-15-66	15.9	84.1	
		8-22-66	16.1	83.9	
		9-15-66	16.2	83.8	
09N/09W-20K04 M	97.0	11-10-65	7.9	89.1	5000
		11-30-65	3.6	93.4	
		1-15-66	1.8	95.2	
		2-11-66	1.5	95.5	
		3-14-66	1.9	95.1	
		4-15-66	2.9	94.1	
		5-16-66	4.0	93.0	
		6-20-66	5.4	91.6	
		7-15-66	5.6	91.4	
		8-22-66	6.2	90.8	
		9-15-66	6.8	90.2	
09N/09W-28N01 M	90.0	11-11-65	23.1	66.9	5000
		11-30-65	14.6	75.4	
		1-15-66	14.0	76.0	
		2-11-66	13.7	76.3	
		3-14-66	14.5	75.5	
		4-15-66	15.5	74.5	
		5-16-66	16.2	73.8	
		6-20-66	16.8	73.2	
		7-15-66	19.2	70.8	
		8-22-66	22.1	67.9	
		9-15-66	23.0	67.0	
09N/10W-12C01 M	120.0	(1)	(1)	108.3	5000
		11-30-65	11.7	108.8	
		1-15-66	11.2	108.8	
		2-11-66	10.8	109.2	
		3-14-66	(1)	103.1	
		4-28-66	12.3	107.7	
		5-16-66	12.7	107.3	
		6-20-66	17.1	102.9	
		7-15-66	17.1	102.9	
		8-22-66	13.1	106.9	
		9-15-66	13.1	106.9	
10N/10W-22D01 M	180.0	11-10-65	11.5	168.5	5000
		11-30-65	9.0	171.0	
		1-15-66	7.9	172.1	
HEALDSBURG AREA 1-18-02					
10N/10W-22D01 M	180.0	2-11-66	7.5	172.5	5000
		3-14-66	7.5	172.5	
		4-15-66	9.9	170.1	
		5-16-66	10.0	170.0	
		6-20-66	10.5	169.5	
		7-15-66	(1)	167.9	
		8-22-66	(1)	166.4	
		9-15-66	(1)	168.7	
10N/10W-26W01 M	161.0	11-10-65	9.6	151.4	5000
		11-30-65	8.1	152.9	
		1-15-66	7.0	154.0	
		2-11-66	6.7	154.3	
		3-14-66	7.1	153.9	
		4-15-66	8.8	152.2	
		5-16-66	9.4	151.6	
		6-20-66	9.8	151.2	
		7-15-66	9.0	152.0	
		8-22-66	10.9	150.1	
		9-15-66	11.7	149.3	
10N/10W-35Q01 M	142.0	11-10-65	6.8	135.2	5000
		11-30-65	0.9	141.1	
		1-15-66	0.5	141.5	
		2-11-66	0.5	141.5	
		3-14-66	0.5	141.5	
		4-15-66	1.5	140.5	
		5-16-66	2.3	139.7	
		6-20-66	3.2	138.8	
		7-15-66	3.9	138.1	
		8-22-66	5.0	137.0	
		9-15-66	5.5	136.5	
LOWER RUSSIAN RIVER VALLEY 1-98-00					
07N/10W-06N01 M	25.0	11-11-65	20.8	4.2	5000
		12-10-65	18.9	6.1	
		1-18-66	(7)		
		2-24-66	17.8	7.2	
		3-30-66	19.2	5.8	
		4-20-66	19.7	5.3	
		8-24-66	20.9	4.1	5050
07N/11N-14E01 M	25.0	11-11-65	19.0	6.0	5000
		12-10-65	16.2	8.8	
		1-18-66	17.2	7.8	
		2-24-66	17.1	7.9	

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
LOWER RUSSIAN RIVER VALLEY 1-98.00					
07N/11W-14E01 M	25.0	3-30-66	18.0	7.0	5000
		4-20-66	17.6	7.4	
		8-24-66	23.4	1.6	5050
08N/10W-29D02 M	50.0	11-11-65	(7)	46.0	5000
		12-10-65	4.0	46.0	
		1-18-66	3.4	46.6	
		2-24-66	3.1	46.9	
		3-30-66	3.7	46.3	
		4-20-66	4.0	46.0	
		8-24-66	4.6	45.4	5050
SAN FRANCISCO BAY REGION (No. 2)					
PETALUMA VALLEY 2-01.00					
03N/06W-01Q01 M	2.0	4-12-66	(1)	2.1	5050
05N/07W-19N01 M	45.0	4-12-66	4.0		5050
05N/07W-20B02 M	41.0	10-22-65	69.3		5050
		11-16-65	58.7	-17.7	
		12-17-65	52.7	-11.7	
		1-18-66	53.8	-12.8	
		2-15-66	52.5	-11.5	
		3-15-66	52.0	-11.0	
		4-12-66	53.2	-12.2	
		5-17-66	56.7	-15.7	
		6-17-66	67.3	-26.3	
		7-21-66	63.6	-22.6	
		8-17-66	74.7	-33.7	
		9-19-66	70.2	-29.2	
05N/07W-21H01 M	65.0	10-22-65	45.1	19.9	5050
		11-16-65	45.5	19.5	
		12-17-65	46.1	18.9	
		1-18-66	40.7	24.3	
		2-15-66	35.5	29.5	
		3-15-66	33.5	31.5	
		4-12-66	34.2	30.8	
		5-17-66	35.2	29.8	
		6-17-66	43.6	21.4	
		7-21-66	40.7	26.3	
		8-17-66	(1)	47.2	
		9-19-66	44.5	20.5	
05N/07W-26R01 M	53.6	10-22-65	(4)	27.0	5050
		11-16-65	(4)	26.5	
		12-17-65	(4)	26.0	
		1-18-66	(4)	23.6	
		2-15-66	(4)	21.7	
		3-15-66	20.2	32.9	
		4-12-66	20.2	33.4	
		5-17-66	(1)	25.1	
		6-17-66	23.1	30.5	
		7-21-66	(1)	30.1	
		8-17-66	(1)	23.2	
		9-19-66	29.0	24.6	
05N/07W-35K01 M	18.8	4-12-66	10.5	8.3	5050

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA-SONOMA VALLEY 2-02.00					
NAPA VALLEY					
04N/04W-02L01 M	25.0	5-17-66	9.7	15.3	5101
04N/04W-04C01 M	12.0	4-06-66	8.1	3.9	5101
04N/04W-05B01 M	31.0	4-06-66	14.5	16.5	5101
04N/04W-05D02 M	22.0	4-06-66	5.4	16.6	5101
04N/04W-12N01 M	48.0	4-06-66	17.2	30.8	5101
04N/04W-14C02 M	34.0	4-06-66	32.8	1.2	5101
04N/04W-25K01 M	37.0	4-06-66	2.5	34.5	5101
05N/03W-05H01 M	255.0	4-11-66	(4)	173.2	5101
05N/04W-03G01 M	18.0	4-12-66	6.0	12.0	5101
05N/04W-04G01 M	63.5	4-12-66	27.7	35.8	5101
05N/04W-04Q01 M	58.0	4-12-66	12.1	45.9	5101
05N/04W-05P01 M	121.0	4-12-66	0.4	120.6	5101
05N/04W-05F02 M	122.0	4-12-66	19.0	103.1	5101
05N/04W-10F01 M	30.0	4-11-66	2.4	27.6	5101
05N/04W-11F03 M	16.0	4-11-66	14.0	2.4	5101
05N/04W-11M01 M	13.0	10-22-65	8.7	4.3	5050
		11-16-65	7.9	5.1	
		12-15-65	7.3	5.7	
		1-18-66	5.4	7.6	
		2-13-66	5.9	7.1	
		3-13-66	6.3	6.7	
		4-13-66	7.6	5.4	
		5-17-66	8.1	4.9	
		6-15-66	8.4	4.6	
		7-20-66	8.4	4.6	
		8-17-66	9.2	3.8	
		9-19-66	8.8	4.2	
05N/04W-12F01 M	130.0	4-11-66	51.7	78.3	5101
NAPA VALLEY 2-02.01					
05N/04W-13H01 M	132.0	4-11-66	9.0	123.0	5101
05N/04W-13H02 M	120.0	4-11-66	12.7	107.3	5101
05N/04W-14C01 M	17.0	4-11-66 (4)	9.4	7.6	5101
05N/04W-15C02 M	22.0	4-6-66	19.4	2.6	5101
05N/04W-15E01 M	22.0	4-6-66	16.0	6.0	5101
05N/04W-19R02 M	110.0	4-6-66	9.8	100.2	5101
05N/04W-20R02 M	50.0	4-6-66	4.6	45.4	5101
05N/04W-21B01 M	75.0	4-6-66	26.6	48.4	5101
05N/04W-22M01 M	12.0	4-6-66	0.2	11.8	5101
05N/04W-28R01 M	37.0	4-6-66	44.9	-7.9	5101
05N/04W-29H01 M	77.0	4-6-66	26.4	50.6	5101
06N/03W-31B01 M	240.0	4-12-66	100.4	139.6	5101
06N/03W-31F01 M	145.0	4-14-66	29.4	115.6	5101
06N/03W-31H01 M	180.0	4-14-66	62.6	117.4	5101
06N/03W-31N01 M	170.0	4-12-66	44.0	126.0	5101
06N/03W-31N02 M	167.0	4-12-66	52.6	114.4	5101
06N/04W-05R01 M	67.0	4-15-66	4.7	62.3	5101
06N/04W-06I02 M	80.0	4-15-66	10.1	69.9	5101
06N/04W-06N01 M	75.0	4-14-66	4.6	70.4	5101
06N/04W-06P01 M	75.0	4-14-66	13.5	61.5	5101
06N/04W-07N01 M	135.0	4-14-66	17.6	117.4	5101
06N/04W-08E01 M	70.0	4-14-66	7.2	62.8	5101
06N/04W-15Q01 M	67.0	4-13-66 (4)	59.9	7.1	5101
06N/04W-16P01 M	62.0	4-13-66	10.3	51.7	5101
05N/04W-12H01 M	121.0	4-11-66	48.2	72.8	5101

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01					
06N/04W-17A01 M	67.0	10-22-65	14.2	52.8	5050
		11-16-65	14.0	53.0	
		12-13-65	12.2	54.8	
		1-18-66	5.5	61.5	
		2-13-66	4.8	62.2	
		3-13-66	5.6	61.4	
		4-13-66	6.6	60.4	
		5-17-66	11.2	55.8	
		6-13-66	17.3	49.7	
		7-20-66	15.1	51.9	
		8-18-66	(1)		
		9-19-66	17.8	49.2	
06N/04W-18A02 M	85.0	4-14-66	20.3	64.7	5101
06N/04W-19B01 M	125.0	4-05-66	18.7	106.3	5101
06N/04W-21G01 M	61.0	4-13-66	1.0	60.0	5101
06N/04W-22F01 M	53.0	4-13-66	18.0	35.0	5101
06N/04W-23J01 M	87.0	4-13-66	12.8	74.2	5101
06N/04W-26N01 M	32.0	4-13-66	15.9	16.1	5101
06N/04W-27N01 M	50.0	4-13-66	23.8	26.2	5101
06N/04W-28K01 M	62.0	4-14-66	14.5	47.5	5101
06N/04W-29B01 M	92.0	4-14-66	6.1	85.9	5101
06N/04W-30C01 M	149.0	4-05-66	7.4	141.6	5101
06N/04W-32J06 M	94.0	4-05-66	8.9	85.1	5101
06N/04W-32L02 M	107.0	4-05-66	29.2	77.8	5101
06N/04W-35G03 M	38.0	4-13-66	16.1	21.9	5101
06N/04W-35I03 M	23.0	4-13-66	12.7	10.3	5101
06N/04W-36H01 M	105.0	4-12-66	24.9	80.1	5101
06N/05W-12R01 M	180.0	4-14-66	26.5	153.5	5101
07N/04W-30L01 M	112.0	4-13-66	1.8	110.2	5101
07N/04W-30N01 M	114.0	4-13-66	1.6	112.4	5101
NAPA VALLEY 2-02.01					
07N/04W-31E01 M	90.0	4-14-66	3.7	86.3	5101
07N/04W-32B02 M	180.0	4-15-66	2.7	177.3	5101
07N/05W-03G01 M	188.0	4-21-66	28.0	160.0	5101
07N/05W-03G02 M	188.0	4-21-66	48.0	140.0	5101
07N/05W-04R02 M	172.0	4-21-66	12.5	159.5	5101
07N/05W-05A01 M	182.0	4-21-66	1.1	180.9	5101
07N/05W-06J01 M	215.0	4-21-66	20.2	194.8	5101
07N/05W-08A01 M	175.0	4-21-66	14.3	160.7	5101
07N/05W-08N01 M	190.0	4-21-66	(4)	167.6	5101
07N/05W-09Q01 M	155.0	4-21-66	(8)	143.4	5101
07N/05W-09Q02 M	155.0	10-22-65	13.6	139.4	5050
		11-16-65	15.5	139.5	
		12-15-65	13.4	141.6	
		1-18-66	8.3	146.7	
		2-15-66	7.5	147.5	
		3-15-66	7.9	147.1	
		4-13-66	9.4	145.6	
		5-19-66	10.9	144.1	
		6-15-66	13.0	142.0	
		7-20-66	14.1	140.9	
		8-18-66	13.4	141.6	
		9-19-66	16.6	138.4	
07N/05W-09Q03 M	155.0	4-21-66	5.7	149.3	5101
07N/05W-10C01 M	162.2	4-21-66	12.0	150.2	5101
07N/05W-14B02 M	139.0	4-22-66	6.4	132.6	5101
07N/05W-14J01 M	140.0	4-22-66	7.9	132.1	5101
07N/05W-15A01 M	143.0	4-22-66	10.2	132.8	5101
07N/05W-15F01 M	141.0	4-22-66	10.9	130.1	5101
07N/05W-16L01 M	171.0	4-22-66	15.5	155.5	5101
07N/05W-16N02 M	193.0	4-22-66	21.5	171.5	5101

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01					
07N/05W-17B01 M	166.0	4-21-66	6.5	159.5	5101
07N/05W-17B02 M	161.0	4-21-66	0.4	160.6	5101
07N/05W-21C01 M	152.0	4-15-66	-0.6	152.6	5101
07N/05W-22E03 M	140.0	4-15-66	0.4	139.6	5101
07N/05W-22H01 M	133.0	4-15-66	5.9	127.1	5101
07N/05W-23D02 M	127.0	4-15-66	1.5	125.5	5101
07N/05W-23Q01 M	115.0	4-22-66	3.4	111.6	5101
07N/05W-24F01 M	127.0	4-22-66	6.2	120.8	5101
07N/05W-25A01 M	163.0	4-15-66	16.4	146.6	5101
07N/05W-26D02 M	127.0	4-15-66	(4)	124.8	5101
07N/05W-34C02 M	190.0	4-15-66	9.6	108.4	5101
07N/05W-35F02 M	175.0	4-15-66	2.9	172.1	5101
07N/05W-36N01 M	141.0	4-22-66	4.3	136.7	5101
08N/05W-30P01 M	220.0	4-20-66	1.7	218.3	5101
08N/05W-31H01 M	212.0	4-20-66	(4)	195.5	5101
08N/05W-31P02 M	237.0	4-20-66	19.8	217.2	5101
08N/05W-31R01 M	210.0	4-21-66	14.5	195.5	5101
08N/06W-03N01 M	330.0	4-19-66	31.8	298.2	5101
08N/06W-04F01 M	330.0	4-18-66	(4)	259.3	5101
08N/06W-06L04 M	335.0	4-21-66	6.6	328.4	5101
08N/06W-09D02 M	290.0	4-19-66	11.6	278.4	5101
08N/06W-09H01 M	290.0	4-19-66	3.5	286.5	5101
08N/06W-09H02 M	291.5	4-19-66	(4)	287.8	5101
08N/06W-10Q01 M	290.0	10-22-65	8.1	281.9	5050
		11-16-65	8.0	282.0	
		12-15-65	5.9	284.1	
NAPA VALLEY 2-02.01					
08N/06W-10Q01 M	290.0	1-18-66	1.5	288.5	5050
		2-15-66	1.5	288.5	
		3-15-66	1.7	288.3	
		4-13-66	1.8	288.2	
		5-19-66	3.4	286.6	
		6-15-66	4.3	285.7	
		7-20-66	6.1	283.9	
		8-18-66	7.8	282.2	
		9-16-66	8.7	281.3	
08N/06W-14N01 M	285.0	4-20-66	11.3	173.7	5101
08N/06W-14Q01 M	250.0	4-18-66	7.8	242.2	5101
08N/06W-23N01 M	285.0	4-20-66	8.6	276.4	5101
08N/06W-24B01 M	300.0	4-19-66	8.3	291.7	5101
08N/06W-25G02 M	230.0	4-20-66	7.5	222.5	5101
09N/06W-31Q01 M	340.0	4-19-66	3.9	336.1	5101
09N/06W-32H01 M	360.0	4-18-66	(4)	343.5	5101
09N/07W-24L01 M	460.0	4-18-66	8.8	451.2	5101
09N/07W-25N01 M	380.0	4-18-66	(4)	373.5	5101
09N/07W-25N02 M	380.0	4-18-66	6.6	373.4	5101
09N/07W-26P01 M	400.0	4-18-66	1.0	399.0	5101
09N/07W-35K01 M	399.0	4-18-66	2.6	396.4	5101
SONOMA VALLEY 2-02.02					
05N/05W-17C01 M	85.0	10-22-65	22.7	62.3	5050
		11-16-65	23.1	61.9	
		12-17-65	21.4	63.6	
		1-18-66	15.5	69.5	
		2-15-66	20.6	64.4	
		3-15-66	17.8	67.2	
		4-13-66	19.2	65.8	
		5-17-66	17.5	67.5	
		6-17-66	20.9	65.9	
		7-21-66	20.9	64.1	
		8-17-66	22.2	62.8	
		9-19-66	21.6	63.4	

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SONOMA VALLEY 2-02.02					
05N/05W-28N01 M	11.0	4-13-66	7.9	3.1	5050
05N/05W-29N01 M	16.0	10-22-65	12.5	3.5	5050
		11-16-65	11.9	4.1	
		12-17-65	11.4	4.6	
		1-17-66	6.4	9.6	
		2-23-66	5.2	10.8	
		3-30-66	6.4	9.6	
		4-19-66	7.1	8.9	
		5-17-66	8.7	7.3	
		6-17-66	10.2	5.8	(6)
		7-21-66	11.3	4.7	
		8-17-66	13.1	2.9	
		9-19-66	12.5	3.5	
05N/05W-30I03 M	16.0	10-22-65	(7)		5050
		11-16-65	12.4	3.6	
		12-17-65	11.7	4.3	
		1-18-66	9.3	6.7	
		2-15-66	6.3	9.7	
		3-15-66	7.6	8.4	
		4-13-66	7.6	8.4	
		5-17-66	10.2	5.8	
		6-17-66	12.8	3.2	
		7-21-66	(1)	21.5	-5.5
		8-17-66	(4)	26.9	-10.9
		9-19-66	14.8	1.2	
SUITSUN-FAIRFIELD VALLEY 2-03.00					
04N/02W-06A01 M	35.0	10-00-65		(7)	5109
		3-00-66		(7)	
04N/02W-09A01 M	7.0	10-21-65	3.8	3.2	5050
		11-15-65	3.6	3.4	
		12-17-65	3.3	3.7	
		1-21-66	1.6	5.4	
		2-16-66	0.9	6.1	
		3-19-66	0.9	6.1	
		4-16-66	1.3	5.7	
		5-17-66	1.5	5.5	
		9-16-66	1.6	5.4	
		7-19-66	1.7	5.3	
		8-22-66	1.8	5.2	
		9-19-66	1.8	5.2	
SUITSUN-FAIRFIELD VALLEY 2-03.00					
04N/02W-09H01 M	4.0	10-21-65	3.9	0.1	5050
		11-15-65	1.4	2.6	
		12-17-65	1.0	3.0	
		1-21-66	1.1	2.9	
		2-16-66	0.7	3.3	
		3-19-66	1.2	2.8	
		4-14-66	0.6	3.4	
		5-16-66	1.5	2.5	
		6-16-66	(4)	4.1	-0.1
		7-19-66	1.3	2.7	
		8-22-66	(1)	13.6	-9.3
		9-19-66	2.1	1.9	
04N/03W-01D01 M	37.0	10-12-65	7.4	29.6	5109
		3-00-66	(7)		
05N/01E-36A01 M	24.0	10-06-65	10.0	14.0	5109
		3-00-66	(7)		
05N/01W-07E01 M	115.0	10-11-65	13.8	101.2	5109
		3-00-66	(7)		
05N/02W-21P03 M	60.0	10-21-65	11.1	48.9	5050
		11-25-65	13.0	47.0	
		12-17-65	13.4	46.6	
		1-21-66	8.9	51.1	
		2-16-66	8.1	51.9	
		3-19-66	8.5	51.5	
		4-14-66	8.8	51.2	
		5-17-66	7.8	52.2	
		6-16-66	(4)	43.5	
		7-19-66	11.3	48.7	
		8-22-66	10.1	49.9	
		9-19-66	11.0	49.0	
05N/02W-25R01 M	7.0	10-21-65	5.9	1.1	5050
		11-15-65	5.4	1.6	
		12-17-65	4.4	2.6	
		1-21-66	1.3	5.7	
		2-16-66	1.2	5.8	
		3-19-66	2.4	4.6	
		4-16-66	3.6	3.4	
		5-18-66	4.7	2.3	
		6-16-66	5.3	1.7	
		7-19-66	5.9	1.1	
		8-22-66	6.1	0.9	
		9-19-66	6.2	0.8	

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUISUN-FAIRFIELD VALLEY 2-03.00					
05N/02W-27J02 M	24.0	10-21-65	6.5	17.5	5050
		11-15-65	5.8	18.2	
		12-17-65	5.9	18.1	
		1-21-66	(2)	15.9	
		2-16-66	(2)	-8.1	
		3-19-66	6.2	17.8	
		4-14-66	5.8	18.2	
		5-17-66	7.0	17.0	
		6-16-66	6.7	17.3	
		7-19-66	6.8	17.2	
05N/02W-29R01 M	46.0	8-22-66	(2)	14.6	5109
		9-19-66	8.0	16.0	
05N/02W-30J01 M	65.4	10-21-65	(8)	43.8	5050
		11-15-65	(8)	43.8	
		12-17-65	(8)	42.7	
		1-21-66	(8)	44.6	
		2-16-66	(8)	44.9	
		3-19-66	(8)	43.7	
		4-14-66	(8)	43.4	
		5-17-66	(8)	45.7	
		6-16-66	(8)	48.5	
		7-19-66	(8)	46.3	
		8-22-66	(8)	45.2	
		9-19-66	(8)	44.3	
YGNACIO VALLEY 2-06.00					
01N/02W-11N01 M	63.0	5-16-66		50.3	5050
		6-17-66		49.2	
		7-21-66		48.3	
		8-16-66		47.7	
		9-22-66		49.3	
01N/02W-13P01 M	100.0	4-11-66		88.1	5050
02N/02W-27R01 M	15.0	10-21-65	5.2	9.8	5050
		11-15-65	4.0	11.0	
		12-20-65	3.2	11.8	
		1-17-66	2.3	12.7	
		2-14-66	1.7	13.3	
		3-22-66	2.5	12.5	
		4-11-66	2.7	12.3	
		5-16-66	5.0	10.0	
		6-17-66	6.5	8.5	
		7-21-66	6.7	8.3	
		8-16-66	7.6	7.4	
		9-22-66	7.7	7.3	
02N/02W-36E01 M	48.0	3-22-66	15.4	32.6	5050
		4-11-66	16.3	31.7	
		5-16-66	17.6	30.4	
		6-17-66	17.2	30.8	
		7-21-66	17.8	30.2	
		8-16-66	18.6	29.4	
		9-22-66	(1)	18.9	
SANTA CLARA VALLEY 2-09.00					
EAST BAY AREA ABOVE HAYWARD FAULT 2-09.01					
04S/01W-35P03 M	115.3	10-22-65		142.6	5401
		11-19-65		144.7	
		12-17-65		-29.4	
		1-14-66		-14.0	
		2-11-66		-4.6	
		3-11-66		1.4	
		4-22-66		113.9	
		5-20-66		125.1	
		6-17-66		108.8	
		7-15-66		133.1	
		8-12-66		138.3	
		9-19-66		140.7	
				-23.0	
				-25.6	
				-27.7	
YGNACIO VALLEY 2-06.00					
01N/01W-07R01 M	83.0	10-21-65	15.6	67.4	5050
		11-15-65	12.1	70.9	
		12-20-65	11.9	71.1	
		1-17-66	11.0	72.0	
		2-14-66	10.5	72.5	
		3-22-66	11.8	71.2	
		4-11-66	13.2	69.8	
		5-16-66	12.4	70.6	
		6-17-66	13.2	69.8	
		7-21-66	14.6	68.4	
		8-16-66	13.3	69.7	
		9-22-66	13.6	69.4	
01N/02W-11N01 M	63.0	10-21-65	13.8	49.2	5050
		11-15-65	13.5	49.5	
		12-20-65	12.3	50.7	
		1-17-66	11.6	51.4	
		2-14-66	11.5	51.5	
		3-22-66	12.2	50.8	
		4-11-66	11.9	51.1	

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EAST BAY AREA UPPER AQUIFER 2-09-01					
03S/02W-08N02 M	48.0	10-20-65 11-15-65 12-21-65	(4) (4)	25.1 24.5 25.1	5050
		1-17-66 2-14-66 3-22-66		26.4 27.1 25.6	
		4-11-66 5-18-66 6-14-66	(1) (1) (1)	25.8 26.8 26.3	
		7-20-66 8-16-66 9-22-66	(1) (1) (1)	24.0 23.4 23.8	
03S/02W-08R05 N	64.0	10-28-65 4-12-66	36.7 35.5	27.3 28.5	5100
03S/02W-19J01 M	30.0	10-20-65 11-15-65 12-21-65	13.0 13.1 12.6	17.0 16.9 17.4	5050
		1-17-66 2-14-66 3-22-66	11.8 11.2 11.4	18.2 18.8 18.6	
		4-11-66 5-18-66 6-14-66	11.8 12.2 12.5	18.2 17.8 17.5	
		7-20-66 8-16-66 9-22-66	12.9 13.1 13.6	17.1 16.9 16.4	
03S/03W-24Q02 N	7.0	10-28-65 4-00-66	7.1 (9)	-0.1	5100
04S/01W-18G01 M	41.0	10-29-65 11-26-65 12-23-65	85.8 79.7 79.6	-44.8 -38.7 -38.6	5401
		1-21-66 2-18-66 3-18-66	78.4 71.0 80.6	-37.4 -30.0 -39.6	
		4-29-66 5-27-66 6-24-66	70.6 77.8 80.1	-29.6 -36.8 -39.1	
		7-22-66 8-19-66 9-20-66	82.8 79.2 76.7	-41.8 -38.2 -35.7	
04S/01W-22P05 M	80.0	10-29-65 4-07-66	47.5 50.7	32.5 29.3	5100
EAST BAY AREA LOWER AQUIFER 2-09-01					
05S/01W-09Q01 M	19.5	10-00-65	(6)		5100
02S/03W-36R01 M	45.0	10-28-65 4-14-66	82.9 92.5	-37.9 -47.5	5100
03S/03W-24J01 M	11.0	11-02-65 4-7-66	78.0 70.9	-67.0 -59.9	5100
03S/03W-36R03 M	5.0	11-02-65 4-12-66	89.0 76.0	-86.0 -71.0	5100
04S/02W-02Q01 M	26.0	10-05-65 4-05-66 9-20-66	117.3 88.1 112.6	-91.3 -62.1 -86.6	5401
04S/02W-35R02 M	15.0	10-22-65 11-19-65 12-17-65	70.1 66.0 53.5	-55.1 -51.0 -38.5	5401
		1-14-66 2-11-66 3-11-66	48.9 46.9 44.7	-33.9 -31.9 -29.7	
		4-22-66 5-20-66 6-17-66	55.0 64.5 69.9	-60.0 -49.5 -34.9	
		7-15-66 8-12-66 9-19-66	66.9 66.8 67.3	-24.9 -24.8 -25.3	
		10-22-65 11-19-65 12-17-65	67.9 68.8 67.8	-25.9 -26.8 -25.8	5401
		1-14-66 2-11-66 3-11-66	68.3 67.8 65.2	-25.3 -25.8 -23.2	5100
		4-22-66 5-20-66 6-17-66	65.1 65.1 66.9	-23.1 -23.1 -24.9	5401
		7-15-66 8-12-66 9-19-66	66.9 66.8 67.3	-24.9 -24.8 -25.3	5401

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EAST BAY AREA LOWER AQUIFER					
SOUTH BAY AREA 2-09-01					
04S/02W-36K01 M	24.0	10-22-65	82.1	-58.1	5401
		11-19-65	71.4	-47.4	
		12-17-65	64.9	-40.9	
		1-14-66	61.3	-37.3	
		2-11-66	59.0	-35.0	
		3-11-66	57.5	-33.5	
		4-22-66	67.1	-43.1	
		5-20-66	75.8	-51.8	
		6-17-66	82.0	-58.0	
		7-15-66	84.0	-60.0	
		8-12-66	85.1	-61.1	
		9-20-66	81.4	-57.4	
05S/01W-09W01 M	15.0	10-07-65	80.3	-65.3	5401
		4-07-66	59.0	-44.0	
		9-22-66	76.5	-61.5	
SOUTH BAY AREA 2-09-02					
06S/01E-07E01 M	15.8	10-25-65	128.6	-112.8	2400
		11-20-65	107.6	-91.8	
		12-20-65	109.4	-93.6	
		1-21-66	102.4	-86.6	
		2-23-66	88.5	-72.7	
		3-21-66	90.0	-74.2	
		4-22-66	94.4	-78.6	
		5-26-66	119.3	-103.5	
		6-23-66	134.9	-119.1	
		7-26-66	135.3	-119.5	
		8-23-66	123.7	-107.9	
		9-26-66	(8) 122.9	-107.1	
06S/01E-21R01 M	138.0	10-21-65	235.3	-97.3	2400
		11-19-65	225.4	-87.4	
		12-20-65	218.5	-80.5	
		1-20-66	211.5	-73.3	
		2-21-66	206.2	-68.2	
		3-18-66	204.0	-66.0	
		4-21-66	205.9	-67.9	
		5-21-66	(1)		
		6-21-66	220.0	-82.0	
		7-25-66	218.7	-80.7	
		8-23-66	217.2	-79.2	
		9-23-66	227.3	-89.3	
06S/01E-23P02 M	240.5	10-20-65	117.4	123.1	2400
		11-20-65	116.2	124.3	
SOUTH BAY AREA 2-09-02					
SOUTH BAY AREA 2-09-02					
066/01E-23P02 M	240.5	12-08-65	120.9	119.6	2400
		1-19-66	126.3	116.2	
		2-21-66	125.0	112.4	
		3-17-66	128.1	115.5	
		4-19-66	121.9	118.6	
		5-20-66	119.1	121.4	
		6-20-66	118.5	122.0	
		7-20-66	118.1	122.4	
		8-22-66	120.2	120.3	
		9-22-66	122.5	118.0	
06S/01E-30M01 M	43.0	10-26-65	(6) 138.0	-95.0	2400
		11-22-65	(8) 125.9	-82.9	
		12-22-65	(8) 116.6	-73.6	
		1-24-66	(8) 109.8	-66.8	
		2-24-66	(8) 102.8	-59.8	
		3-22-66	(6) 101.0	-58.0	
		4-22-66	(6) 125.0	-82.0	
		5-23-66	141.4	-98.4	
		6-23-66	(6) 145.0	-102.0	
		7-27-66	(6) 158.0	-115.0	
		8-25-66	(8) 153.4	-110.4	
		9-27-66	(8) 158.2	-115.2	
06S/01W-23E01 M	21.0	10-18-65	139.6	-118.6	5000
		11-15-65	119.4	-98.4	
		1-14-66	99.2	-78.3	
		2-14-66	93.1	-72.1	
		3-14-66	89.8	-68.8	
		4-11-66	99.7	-78.7	
		5-09-66	161.2	-140.2	
		6-06-66	140.8	-119.8	
		7-05-66	134.1	-113.1	
		8-01-66	132.5	-111.5	
		8-29-66	136.8	-115.8	
		9-25-66	151.8	-130.8	
06S/02W-16R01 M	48.7	10-28-65	119.6	-70.9	2400
		11-24-65	113.8	-65.1	
		12-28-65	111.7	-63.0	
		1-26-66	112.4	-63.7	
		2-28-66	109.2	-60.5	
		3-28-66	108.4	-59.7	
		4-28-66	118.8	-70.1	
		5-27-66	119.8	-71.1	
		6-25-66	124.3	-75.6	
		7-28-66	128.9	-80.2	
		8-29-66	127.6	-78.9	
		9-29-66	125.8	-77.1	

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09-02					
06S/02W-25C01 M	73.0	10-27-65 11-23-65 12-23-65 1-25-66 2-25-66 3-23-66 4-26-66 5-24-66 6-24-66 7-28-66 8-26-66 9-28-66	148.3 (8) 141.8 (8) 138.8 (8) 134.0 (6) 132.3 (8) 133.0 (8) 142.0 (6) 146.0 (6) 154.0 (6) 160.3 (8) 152.0 (6) 163.2 (8)	-75.3 -68.8 -65.8 -61.0 -59.3 -60.0 -69.0 -73.0 -81.0 -87.3 -79.0 -90.2	2400
06S/02W-35C01 M	140.1	10-28-65 11-24-65 12-27-65 1-26-66 2-25-66 3-24-66 4-28-66 5-24-66 6-25-66 7-28-66 8-26-66 9-28-66	269.4 (3) 252.2 (3) 246.6 (3) 240.3 (3) 232.4 (3) 234.7 (3) 235.6 (3) 273.9 (3) 279.8 (3) 283.0 (3) 278.8 (3) 277.3 (3)	-129.3 -112.1 -106.5 -100.2 -92.3 -94.6 -115.5 -133.8 -139.7 -142.9 -138.7 -137.2	2400
07S/01E-1K01 M	179.0	10-21-65 11-18-65 12-17-65 1-18-66 2-21-66 3-17-66 4-18-66 5-20-66 6-20-66 7-20-66 8-22-66 9-22-66	(9) 198.9 196.4 195.8 192.2 (7) 198.0 200.7 202.0 (7) (9) (7)	-19.9 -17.4 -16.8 -13.2 (7) -19.0 -21.7 -23.0 (7) (9)	2400
07S/01E-8L01 M	88.0	10-29-65 11-24-65 12-27-65 1-27-66 2-25-66 3-24-66 4-29-66 5-26-66 6-24-66 7-29-66	155.9 (8) 143.6 134.7 137.6 135.4 135.0 145.0 159.0 163.0 167.7 -79.7	-67.9 -55.6 -46.7 -49.6 -47.4 -47.0 -51.0 -71.0 -75.0 -79.7	2400
SOUTH BAY AREA 2-09-02					
07S/01E-8L01 M	88.0	8-26-66 9-26-66	165.0 (8) 167.4 (8)	-77.0 -79.4	2400
07S/01E-9D02 M	95.9	10-18-65 11-15-66 1-14-66 2-14-66 3-14-66 4-11-66 5-09-66 6-06-66 7-05-66 8-01-66 8-29-66 9-25-66	188.7 (8) 180.7 (8) 161.3 (8) 155.2 (8) 153.9 (8) 158.2 (8) 173.9 (8) 177.7 (8) 188.1 (8) 192.3 (8) 200.7 (8) 199.1 (8)	-82.8 -84.8 -65.4 -64.4 -59.3 -58.0 -62.3 -62.3 -81.8 -81.8 -96.4 -104.8 -103.2	5000
07S/01E-16C05 M	105.0	10-18-65 11-15-65 1-14-66 2-14-66 3-14-66 4-11-66 5-10-66 6-06-66 7-05-66 8-01-66 8-29-66 9-25-66	233.7 (8) 217.9 (8) 194.9 (8) 175.5 (8) 177.5 (8) 193.2 (8) 210.4 (8) 221.3 (8) 243.3 (8) 245.4 (8) 269.2 (8) 254.8 (8)	-128.7 -112.9 -89.9 -70.5 -72.5 -88.2 -105.4 -116.1 -138.3 -140.4 -164.2 -149.8	5000
07S/01E-31A02 M	151.6	10-04-65 11-15-65 12-07-65 1-04-66 2-17-66 3-16-66 4-15-66 5-17-66 6-17-66 7-19-66 9-16-66	(3) (3) 178.7 (3) 176.6 (3) 142.8 (3) 141.7 (3) 155.0 (6) 173.8 (3) 185.0 (6) 193.0 (3) 206.6 (6) 214.0 (6)	-27.1 -25.0 -27.8 8.8 9.9 -3.4 -22.2 -33.4 -41.4 -55.0 -62.4	2400
07S/02E-7F01 M	130.0	10-20-65 11-18-65 12-17-65 1-18-66 2-21-66	143.3 (3) 142.5 (3) 138.8 (3) 136.3 (3)	-13.3 -12.5 -8.8 -6.3 -6.8	2400

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO FACE OF WELL SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO FACE OF WELL SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09, 02											
SOUTH BAY AREA 2-09, 02											
07S/02E-7F01 M	130.0	3-17-66	136.3	-6.3	2400	07S/02W-3Q01 M	216.7	10-01-65	366.0	-149.3	2400
		4-18-66	136.7	-6.7				11-01-65	366.0	-149.3	
		5-20-66	138.5	-8.5				12-01-65	364.0	-147.3	
		6-20-66	140.2	-10.2				1-01-66	360.0	-143.3	
		7-20-66	144.7	-14.7				2-01-66	338.0	-121.3	
		8-22-66	145.2	-15.2				3-01-66	330.0	-113.3	
		9-22-66	145.8	-15.8				4-28-66	332.0	-115.3	
07S/02E-17H01 M	349.0	10-20-65	(8) 99.4	249.6	2400			5-01-66	347.0	-130.3	
		11-18-65	(8) 97.3	251.7				6-01-66	354.0	-137.3	
		12-16-65	(8) 96.5	252.5				7-01-66	352.0	-135.3	
		1-18-66	(8) 95.3	253.7				8-01-66	360.0	-143.3	
		2-19-66	(8) 94.6	254.4				9-01-66	359.0	-142.3	
		3-11-66	(8) 97.4	251.6				10-28-65	197.8	20.2	2400
		4-14-66	(8) 98.2	250.8		07S/02W-4R01 M	218.0	11-29-65	200.4	17.6	
		5-13-66	(8) 97.3	251.7				12-28-65	203.5	14.5	
		6-15-66	(8) 97.8	251.2				1-26-66	210.3	7.7	
		7-15-66	(8) 98.4	250.6				2-28-66	200.5	17.5	
		8-12-66	(8) 95.7	253.3				3-28-66	(7) 194.4	23.6	
		9-14-66	(8) 96.9	252.1				4-29-66	(7) 194.1	23.9	
07S/02E-33Q01 M	462.0	10-19-65	22.3	439.7	2400			5-27-66	197.6	20.4	
		11-17-65	22.6	439.4				6-25-66	202.9	15.1	
		12-16-65	20.5	441.5				7-29-66	210.4	7.6	
		1-18-66	21.1	440.9				8-29-66	213.6	4.4	
		2-19-66	20.7	441.3				9-29-66	211.4	6.6	
		3-11-66	21.3	440.7		07S/02W-22A01 M	340.0	10-29-65	23.8	316.2	2400
		4-14-66	19.9	442.1				11-29-65	25.4	314.6	
		5-13-66	20.6	441.4				12-28-65	23.8	316.2	
		6-15-66	21.2	440.8				1-27-66	23.5	316.5	
		7-15-66	22.6	439.4				2-28-66	22.3	317.7	
		8-12-66	23.1	438.9				3-28-66	21.1	318.9	
		9-14-66	22.6	439.4				4-29-66	(1)		
07S/01W-35Q01 M	202.0	10-01-65	212.0	-10.0	2400			5-27-66	22.8	317.2	
		11-01-65	210.0	-8.0				6-25-66	(1)		
		12-01-65	204.0	-2.0				7-29-66	(1)		
		1-03-66	203.0	-1.0				8-29-66	(1)	263.4	
		2-16-66	204.0	-2.0				9-29-66	(1)		
		3-01-66	203.0	-1.0				10-05-65	87.3	119.7	2400
		4-01-66	204.0	-2.0		08S/01E-7H02 M	207.0	11-03-65	86.2	120.8	
		5-01-66	208.0	-6.0				12-01-65	85.8	121.2	
		6-01-66	212.0	-10.0				1-05-66	82.7	124.3	
		7-01-66	217.0	-15.0				2-01-66	82.5	124.5	
		8-01-66	225.0	-23.0				3-01-66	76.6	130.4	
		9-01-66	232.0	-30.0				4-01-66	77.2	129.8	

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02					
08S/01E-7H02 M	207.0	5-02-66	72.5	134.5	2400
		6-01-66	77.7	129.3	
		7-06-66	88.4	118.6	
		8-04-66	89.5	117.5	
		9-01-66	92.3	114.7	
08S/01E-13H01 M	184.6	10-06-65	(8) 23.6	161.0	2400
		11-05-65	(8) 20.4	164.2	
		12-02-65	(8) 19.6	165.0	
		1-07-66	(8) 16.7	167.9	
		2-03-66	(8) 16.5	168.1	
		3-03-66	(8) 16.8	167.8	
		4-05-66	(8) 20.6	164.0	
		5-04-66	(8) 25.1	159.5	
		6-06-66	(6) 26.0	158.6	
		7-20-66	(1) 30.4	154.2	
		8-05-66	(6) 31.0	153.6	
		9-02-66	(8) 30.8	153.8	
08S/02E-20F03 M	209.0	10-08-65	(6) 24.0	185.0	2400
		11-05-65	(6) 23.0	186.0	
		12-09-65	22.5	186.5	
		1-11-66	21.5	187.5	
		2-04-66	22.6	186.4	
		3-03-66	23.2	185.8	
		4-05-66	(8) 27.6	181.4	
		5-05-66	28.3	180.7	
		6-08-66	27.6	181.4	
		7-08-66	32.8	176.2	
		8-08-66	(6) 37.0	172.0	
		9-06-66	(6) 39.0	170.0	
08S/02E-22D01 M	239.7	10-08-65	10.0	229.7	2400
		11-05-65	10.4	229.3	
		12-09-65	10.8	228.9	
		1-11-66	9.9	229.8	
		2-04-66	10.6	229.1	
		3-03-66	15.2	224.5	
		4-05-66	14.5	225.2	
		5-05-66	7.8	231.9	
		6-08-66	12.8	226.9	
		7-08-66	13.7	226.0	
		8-08-66	15.5	224.2	
		9-06-66	17.7	222.0	
SOUTH BAY AREA 2-09.02					
08S/01W-15801 M	331.2	10-04-65	(6) 37.0	294.2	2400
		11-10-65	35.2	296.0	
		12-06-65	34.3	296.9	
		1-04-66	33.6	297.6	
		2-17-66	34.2	297.0	
		3-14-66	(7) 33.6	297.6	
		4-15-66	(7) 33.6	295.9	
		5-17-66	35.3	295.9	
		6-17-66	35.8	295.4	
		7-19-66	36.4	294.8	
		8-16-66	38.0	293.2	
		9-16-66	(6) 37.2	294.0	
09S/02E-1J01 M	314.0	10-13-65	(8) 31.8	282.2	2400
		11-09-65	(8) 32.0	282.0	
		12-10-65	(8) 29.2	284.8	
		1-13-66	(8) 30.1	283.9	
		2-07-66	(8) 31.0	283.0	
		3-04-66	33.7	280.3	
		4-11-66	(8) 37.6	276.4	
		5-06-66	(8) 39.3	274.7	
		6-10-66	(8) 44.5	269.5	
		7-12-66	(8) 44.5	269.5	
		8-10-66	(8) 50.5	263.5	
		9-07-66	(8) 55.5	258.5	
09S/02E-1M01 M	287.6	10-11-65	24.9	262.7	2400
		11-08-65	25.2	262.4	
		12-09-65	23.3	264.3	
		1-11-66	23.0	264.6	
		2-04-66	22.6	265.0	
		3-04-66	21.3	266.3	
		4-07-66	23.6	264.0	
		5-05-66	30.5	260.3	
		6-08-66	27.3	251.1	
		7-08-66	(3) 36.6	251.0	
		8-08-66	39.0	248.6	
		9-07-66	35.8	251.8	

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
LIVERMORE VALLEY 2-10.00					
03S/01E-25N01 M	555.3	10-00-65 3-00-66	10.5 10.6	544.8 544.7	5100
02S/01W-26G01 M	416.9	10-00-65 3-00-66	(1) 148.4 41.4	268.5 375.5	5100
03S/01E-07Q01 M	321.7	10-27-65 11-26-65 12-00-65 1-19-66 2-17-66 3-17-66 4-20-66 5-18-66 6-15-66 7-20-66 8-17-66 9-14-66	127.3 125.2 127.3 116.2 113.3 108.7 213.0 113.2 205.5 196.5 128.5 144.4 144.7	194.4 196.5 194.4 205.5 208.4 213.0 208.5 205.5 196.5 193.2 177.3 177.0	5100
03S/01E-9R02 M	357.0	10-27-65 11-26-65 12-00-65 1-19-66 2-17-66 3-17-66 4-20-66 5-18-66 6-15-66 7-20-66 8-17-66 9-14-66	102.8 95.8 93.3 92.3 89.0 99.0 103.5 140.3 216.7 222.6 130.3 (1) 150.5 148.3	254.2 261.2 263.7 264.7 268.0 258.0 253.5 216.7 222.6 226.7 206.5 208.7	5100
LIVERMORE VALLEY 2-10.00					
03S/01E-11H01 M	372.9	10-00-65 3-00-66	125.5 106.9	247.4 266.0	5100
03S/01E-17R01 M	347.0	10-27-65 11-26-65 12-00-65 1-19-66 2-17-66 3-17-66 4-20-66 5-18-66 6-15-66 7-20-66 8-17-66 9-14-66	144.8 141.8 136.8 135.3 132.0 127.3 146.3 134.8 140.3 149.0 155.8 158.3	202.2 205.2 210.2 211.7 215.0 219.7 200.7 212.2 206.7 198.0 191.2 188.7	5100
03S/01E-19A03 M	328.0	10-27-65 11-26-65 12-00-65 1-19-66 2-17-66 3-17-66 4-20-66 5-18-66 6-15-66 7-20-66 8-17-66 9-14-66	134.3 128.7 122.1 118.7 116.2 107.7 125.0 128.7 140.3 141.2 137.1	193.7 199.3 205.9 209.3 211.8 220.3 220.3 199.3 187.7 186.8 186.8	5100
03S/02E-10H01 M	551.0	10-00-65 3-00-66	(1) 130.0	437.6 421.0	
03S/02E-16E02 M	508.0	10-27-65 11-26-65 12-00-65 1-19-66 2-17-66 3-17-66 4-20-66 5-18-66 6-15-66 7-20-66 8-17-66 9-14-66	110.3 107.8 104.4 104.5 104.0 103.8 103.6 106.4 103.8 104.6 104.0 103.8	397.7 400.2 403.6 403.5 404.0 404.2 404.4 401.6 404.2 403.4 404.0 404.2	
03S/01E-10Q02 M	368.7	10-27-65 11-26-65 12-00-65 1-19-66 2-17-66 3-09-66 4-20-66 5-18-66 6-15-66 7-20-66 8-17-66 9-14-66	109.7 110.5 103.0 102.5 101.1 102.3 112.2 128.8 (1) 125.5 118.5 149.7 133.6	259.0 258.2 265.7 264.2 267.6 266.4 256.5 243.2 239.9 250.2 219.0 235.1	5100

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACATION ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
LIVERMORE VALLEY 2-10.00					
03S/02E-19D01 M	412.0	10-27-65	176.3	235.7	5100
		11-26-65	171.9	240.1	
		12-00-65	165.0	247.0	
		1-19-66	162.3	249.7	
		2-17-66	157.9	254.1	
		3-17-66	154.9	257.1	
		4-20-66	156.0	256.0	
		5-18-66	167.2	244.8	
		6-15-66	172.8	239.2	
		7-20-66	181.1	230.9	
		8-17-66	186.7	225.3	
		9-14-66	190.1	221.9	
HALF MOON BAY TERRACE 2-22.00					
05S/05W-19J01 M	53.0	4-15-66	23.8	29.2	5050
05S/05W-20I01 M	73.0	10-00-65	(7)	5050	5050
05S/05W-29F04 M	50.0	10-19-65	20.9	29.1	5050
		11-18-65	20.6	29.4	
		12-16-65	18.8	31.2	
		1-19-66	16.2	35.8	
		2-17-66	12.0	38.0	
		3-17-66	12.8	37.2	
		4-15-66	15.2	34.8	
		5-20-66	17.2	32.8	
		6-16-66	18.5	31.5	
		7-21-66	18.2	31.8	
		8-17-66	22.2	27.8	
		9-23-66	24.1	25.9	
05S/05W-29N01 M	46.0	4-15-66	30.1	15.9	5050
05S/05W-32K01 M	90.0	10-19-65	29.5	60.5	5050
		11-18-65	29.7	60.3	
		12-16-65	30.2	59.8	
		1-19-66	29.6	60.4	
		2-17-66	28.6	61.4	
		3-17-66	27.8	62.2	
		4-15-66	27.4	62.6	
		5-20-66	27.8	62.2	
		6-15-66	28.3	61.7	
		7-21-66	28.6	61.4	
		8-17-66	28.6	61.4	
		9-23-66	29.2	60.8	
HALF MOON BAY TERRACE 2-24.00					
07S/05W-13E01 M	80.0	10-19-65	13.0	67.0	5050
		11-18-65	12.3	67.7	
		12-16-65	11.7	68.3	
		1-19-66	11.3	68.7	
		2-17-66	11.1	68.9	
		3-17-66	11.2	68.8	
		4-15-66	11.4	68.6	
		5-26-66	11.6	68.4	
		6-15-66	11.8	68.2	
		7-21-66	10.9	69.1	
		8-17-66	13.0	67.0	
		9-23-66	13.5	66.5	
07S/05W-15C01 M	80.0	4-15-66	11.0	69.0	5050
07S/05W-15E01 M	75.2	3-17-65	4.2	71.0	5050
07S/05W-15E02 M	30.0	10-19-65	14.5	15.5	5050
		11-18-65	14.1	15.9	
		12-16-65	14.0	16.0	
		1-19-66	13.1	16.9	
		2-17-66	12.7	17.3	
		3-17-66	13.2	16.8	
		4-15-66	(1)	10.5	
		5-20-66	13.7	16.3	
		6-15-66	(1)	12.5	
		7-21-66	14.2	15.8	
		8-17-66	13.8	16.2	
		9-23-66	(1)	17.5	

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN GREGORIO VALLEY 2-24.00					
07S/05W-15H02 M	40.0	4-15-66	17.4	22.6	5050
PESCADERO VALLEY 2-26.00					
08S/05W-9H01 M	20.0	10-19-65	4.6	15.4	5050
		11-18-65	4.0	16.0	
		12-16-65	4.2	15.8	
		1-19-66	3.9	16.1	
		2-17-66	3.8	16.2	
		3-17-66	4.3	15.7	
		4-15-66	4.1	15.9	
		5-20-66	4.4	15.6	
		6-15-66	4.4	15.6	
		7-21-66	4.6	15.4	
		8-17-66	4.8	15.2	
		9-23-66	5.0	15.0	
08S/05W-10K01 M 37.0					
		10-19-65	18.8	18.2	5050
		11-18-65	18.7	18.3	
		1-19-66	11.9	25.1	
		2-17-66	11.5	25.5	
		3-17-66	16.4	22.6	
		4-15-66	16.4	20.6	
		5-20-66	17.3	19.7	
		6-15-66	17.7	19.3	
		7-21-66	18.1	18.9	
		8-17-66	17.5	19.5	
		9-23-66	18.6	18.4	
08S/05W-11F01 M 70.0					
		10-19-65	15.8	54.2	5050
		11-18-65	14.3	55.7	
		12-16-65	11.6	58.4	
		1-19-66	9.5	60.5	
		2-17-66	9.0	61.0	
		3-17-66	10.5	59.5	
		4-15-66	11.8	58.2	
		5-20-66	13.0	57.0	
		6-15-66	13.5	56.5	
		7-21-66	15.2	54.8	
		8-17-66	15.5	54.5	
		9-23-66	16.5	53.5	

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL COASTAL REGION (No. 3)					
SOQUEL VALLEY 3-01.00					
11S/01W-09101 M	124.2	10-19-65	57.3	66.9	5050
		11-18-65	56.6	67.6	
		12-01-65	57.3	66.9	
		1-19-66	57.3	66.9	
		2-17-66	57.4	66.8	
		3-17-66	58.6	65.6	
		4-14-66	57.6	66.6	(1)
		5-20-66	57.1	67.1	105.5
		6-15-66	57.6	66.6	97.3
		7-21-66	57.5	66.7	101.9
		8-17-66	57.5	66.7	98.0
		9-23-66	57.6	66.6	98.6
11S/01W-10C01 M	90.0	10-19-65	60.0	30.0	5050
		11-18-65	(3)	29.7	
		12-16-65	59.7	30.3	
		1-19-66	59.3	30.7	
		2-17-66	(4)	23.6	
		3-17-66	(3)	28.9	
		4-14-66	61.4	29.9	
		5-20-66	66.4	23.6	
		6-15-66	61.4	28.6	
		7-21-66	61.4	28.6	
		8-17-66	62.1	27.9	
		9-23-66	62.0	28.0	
11S/01W-15E02 M	87.0	10-19-65	(2)	77.8	5050
		11-18-65	58.3	28.7	
		12-16-65	61.3	25.7	
		1-19-66	58.5	28.5	
		2-17-66	57.1	29.9	
		3-17-66	56.8	30.2	
		4-14-66	57.0	30.0	
		5-20-66	62.0	25.0	
		6-15-66	64.1	22.9	
		7-21-66	79.6	7.4	
		8-17-66	(2)	61.5	
		9-23-66	(2)	61.0	
PAJARO VALLEY 3-02.00					
11S/02E-27A01 M	141.0	10-19-65	103.5	37.5	5050
		11-17-65	97.2	43.8	
		12-15-65	96.1	44.9	
		1-18-66	95.4	45.6	
		2-15-66	94.9	46.1	
		3-16-66	95.7	45.3	
		4-14-66	(1)		
		5-20-66	105.5	35.5	
		6-14-66	43.7	39.1	
		7-21-66	101.9	39.1	
		8-17-66	98.0	43.0	
		9-22-66	98.6	42.4	
12S/01E-24G01 M	9.4	10-19-65	(1)	49.6	5050
		11-17-65	(8)	7.9	
		12-16-65	(8)	6.2	
		1-18-66	(8)	5.1	
		2-16-66	(8)	7.8	
		3-16-66	(8)	9.3	
		4-14-66	(1)	19.3	
		5-20-66	(8)	11.3	
		6-15-66	(8)	9.8	
		7-21-66	(1)		
		8-17-66	(8)	18.4	
		9-23-66	(8)	18.5	
12S/02E-11E04 M	36.0	10-19-65	(8)	29.7	5050
		11-17-65	(8)	25.8	
		12-15-65	(8)	23.7	
		1-18-66	(8)	21.7	
		2-16-66	(8)	14.3	
		3-16-66	(8)	21.2	
		4-14-66	(8)	24.3	
		5-19-66	(8)	25.5	
		6-14-66	(8)	32.2	
		7-20-66	(8)	33.6	
		8-17-66	(8)	42.2	
		9-22-66	(8)	38.5	
			(8)	35.5	

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PAJARO VALLEY 3-02.00					
12S/02E-16J01 M	20.5	10-18-65	(8)	0.1	5050
		11-17-65	(8)	20.4	
		12-15-65	(8)	14.6	
		1-18-66	(8)	12.6	
		2-16-66	(8)	12.0	
		3-16-66	(8)	12.9	
		4-16-66	(8)	18.7	
		5-19-66	(8)	26.6	
		6-14-66	(8)	26.5	
		7-20-66	(8)	10.1	
		8-17-66	(8)	28.2	
		9-22-66	(8)	25.4	
12S/02E-31K01 M	30.0	12-22-65		28.8	2100
		4-04-66	(1)		
13S/01E-01A01 M	5.0	12-21-65		2.7	2100
		4-04-66	2.0	3.0	
13S/02E-05B01 M	136.0	10-18-65		140.7	5050
		11-17-65		140.2	
		12-15-65		139.1	
		1-18-66		137.4	
		2-18-66		136.6	
		3-18-66		135.6	
		4-14-66		137.1	
		5-20-66	(2)	142.7	
		6-15-66		137.9	
		7-20-66		139.4	
		8-17-66		140.8	
		9-22-66		141.7	
13S/02E-06B01 M	15.0	10-18-65		18.4	5050
		11-17-65		17.1	
		12-15-65		14.7	
		1-18-66		13.3	
		2-18-66		12.7	
		3-16-66		14.5	
		4-14-66		13.5	
		5-20-66		16.1	
		6-15-66		16.8	
		7-20-66		17.6	
		8-17-66		18.5	
		9-22-66		19.3	
13S/02E-06C01 M	26.0	12-21-65		25.0	2100
		4-04-66		24.2	
PAJARO VALLEY 3-02.00					
13S/02E-06E02 M	27.8	12-21-65		24.4	2100
		4-04-66	(1)		
13S/02E-06E03 M	30.0	12-22-65		29.1	2100
		4-04-66		30.5	
GILROY-HOLLISTER VALLEY 3-03.00					
SOUTH SANTA CLARA COUNTY 3-03.01					
09S/03E-16J01 M	385.7	3-07-66		108.6	2400
09S/03E-21K02 M	361.6	3-07-66		82.4	2400
09S/03E-22B03 M	379.1	3-07-66	(8)	99.7	2400
09S/03E-23E01 M	362.5	3-07-66		102.6	2400
09S/03E-26F01 M	329.1	3-07-66		81.8	2400
09S/03E-27C02 M	347.0	10-13-65	(8)	85.9	2400
		11-09-65	(6)	80.0	
		12-13-65	(8)	79.3	
		1-12-66	(8)	76.1	
		2-07-66	(8)	76.5	
		3-07-66	(8)	74.0	
		4-08-66	(8)	76.1	
		5-09-66	(8)	82.6	
		6-09-66	(6)	86.0	
		7-11-66		90.6	
		8-09-66		96.2	
		9-08-66	(6)	100.0	
09S/03E-29B01 M	397.6	4-12-66		16.6	5050
09S/03E-34D02 M	327.0	3-07-66		60.2	2400
09S/03E-34Q01 M	314.2	3-07-66		47.4	2400
09S/03E-36E02 M	309.3	3-07-66		81.7	2400
09S/03E-36F03 M	322.0	3-07-66		82.5	2400
10S/03E-02K03 M	290.0	10-18-65		51.3	5050
		11-17-65		46.8	
		12-15-65		44.0	
		1-18-66		44.0	

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH SANTA CLARA COUNTY 3-03.01											
10S/03E-02K03 M	290.0	2-15-66	46.2	243.8	5050	10S/04E-31G04 M	197.5	10-18-65	27.5	170.0	5200
		3-16-66	49.6	236.4				11-15-65	24.5	173.0	
		4-12-66	53.7	240.3				12-20-65	22.5	175.0	
		5-18-66	57.4	232.6				1-17-66	18.5	179.0	
		6-14-66	63.2	226.8				2-21-66	18.5	179.0	
		7-20-66	63.0	227.0				3-21-66	17.5	180.0	
		8-19-66	74.3	215.7				4-18-66	21.5	176.0	
		9-22-66	80.4	209.6				5-16-66	28.5	169.0	
10S/03E-13I03 M	251.0	10-18-65	40.5	210.5	5050			6-20-66	37.5	160.0	
		11-17-65	36.7	214.3				7-18-66	43.5	154.0	
		12-15-65	37.9	213.1				8-15-66	42.5	155.0	
		1-18-66	36.7	216.3				9-19-66	44.5	153.0	
		2-15-66	37.8	213.2							
		3-16-66	39.0	212.0							
		4-12-66	44.9	206.1							
		5-18-66	57.1	193.9							
		6-14-66	72.8	178.2							
		7-20-66	(1) 70.2	180.8							
		8-19-66	(2) 70.7	180.3							
		9-22-66	(8) 71.0	180.0							
10S/03E-36E03 M	220.0	10-18-65	36.8	183.2	5050	10S/04E-35E01 M	248.0	4-13-66	88.5	159.5	5050
		11-17-65	32.9	187.1				10-18-65	36.0	161.2	5200
		12-15-65	36.1	183.9				11-15-65	34.0	163.2	
		1-18-66	35.8	184.2				12-20-65	30.0	167.2	
		2-15-66	36.3	183.7				1-17-66	26.0	171.2	
		3-16-66	35.6	184.4				2-21-66	24.0	173.2	
		4-12-66	34.6	185.4				3-21-66	23.0	174.2	
		5-19-66	35.1	184.9				4-18-66	29.0	168.2	
		6-14-66	36.4	183.6				5-16-66	36.0	161.2	
		7-20-66	(1)	181.7				6-20-66	45.0	152.2	
		8-19-66	38.3	181.9				7-18-66	50.0	147.2	
		9-22-66	38.1	181.9				8-15-66	51.0	146.2	
10S/04E-18G02 M	259.5	10-18-65	56.4	203.1	5050	11S/04E-06B01 M	211.0	10-18-65	52.0	159.0	5200
		11-17-65	52.9	206.6				11-15-65	49.0	162.0	
		12-15-65	52.5	207.0				12-20-65	46.0	165.0	
		1-18-66	51.0	208.5				1-17-66	42.0	169.0	
		2-15-66	54.0	205.5				2-21-66	39.0	172.0	
		3-16-66	52.4	207.1				3-21-66	40.0	171.0	
		4-12-66	51.9	207.6				4-18-66	44.0	167.0	
		5-18-66	70.2	189.3				5-16-66	52.0	159.0	
		6-14-66	75.4	184.1				6-20-66	60.0	151.0	
		7-20-66	74.2	185.3				7-18-66	65.0	146.0	
		8-19-66	(1) 78.0	181.5				8-15-66	66.0	145.0	
		9-22-66	80.0	179.5				9-19-66	68.0	143.0	
10S/04E-18G02 M	259.5	10-18-65	56.4	203.1	5050	11S/04E-06H01 M	191.5	10-18-65	34.0	157.5	5200
		11-17-65	52.9	206.6				11-15-65	31.0	160.5	
		12-15-65	52.5	207.0				12-20-65	28.0	163.5	
		1-18-66	51.0	208.5				1-17-66	25.0	166.5	
		2-15-66	54.0	205.5				2-21-66	24.0	167.5	
		3-16-66	52.4	207.1				3-21-66	22.0	169.5	
		4-12-66	51.9	207.6							
		5-18-66	70.2	189.3							
		6-14-66	75.4	184.1							
		7-20-66	74.2	185.3							
		8-19-66	(1) 78.0	181.5							
		9-22-66	80.0	179.5							

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH SANTA CLARA COUNTY 3-03-01					
11S/04E-06H01 M	191.5	4-18-66	26.0	165.5	5200
		5-16-66	34.0	157.5	
		6-20-66	43.0	148.5	
		7-18-66	58.0	133.5	
		8-15-66	50.0	141.5	
		9-19-66	50.0	141.5	
11S/04E-06F02 M	201.7	10-18-65	52.0	149.7	5200
		11-15-65	51.0	150.7	
		12-20-65	49.0	152.7	
		1-17-66	33.0	168.7	
		2-21-66	29.0	172.7	
		3-21-66	28.0	173.7	
		4-18-66	33.0	168.7	
		5-16-66	46.0	155.7	
		6-20-66	49.0	152.7	
		7-18-66	50.0	151.7	
		8-13-66	55.0	146.7	
		9-19-66	57.0	144.7	
11S/04E-08K02 M	179.0	10-18-65	26.5	152.5	5050
		11-17-65	(4)		
		12-15-65	21.6	157.4	
		1-18-66	18.1	160.9	
		2-15-66	16.3	162.7	
		3-16-66	15.9	163.1	
		4-13-66	17.3	161.7	
		5-19-66	26.2	152.8	
		6-14-66	31.2	147.8	
		7-20-66	29.7	149.3	
		8-19-66	39.4	139.6	
		9-22-66	38.9	140.1	
SAN BENITO COUNTY 3-03-02					
11S/05E-13D01 M	255.7	10-18-65	23.6	232.1	5050
		11-17-65	(3)		
		12-15-65	22.5	233.2	
		1-18-66	21.2	234.5	
		2-15-66	21.4	234.3	
		3-16-66	(7)		
		4-13-66	23.4	232.3	
		5-19-66	25.2	230.5	
		6-14-66	(1)		
		7-20-66	22.4	233.3	
		8-19-66	24.3	231.4	
		9-22-66	25.5	230.2	
SAN BENITO COUNTY 3-03-02					
12S/04E-20C01 M	152.9	4-07-66	(1)	5101	5050
12S/05E-10R01 M	211.6	10-18-65	99.5	112.1	
		11-17-65	85.3	126.3	
		12-15-65	90.2	121.4	
		1-18-66	88.4	123.2	
		2-15-66	87.0	124.6	
		3-16-66	85.7	125.9	
		4-13-66	86.1	125.5	
		5-19-66	88.6	123.0	
		6-14-66	91.1	120.5	
		7-20-66	90.9	120.7	
		8-19-66	91.1	120.5	
		9-22-66	93.4	118.2	
12S/05E-12M04 M	215.0	10-18-65	85.5	129.5	5050
		11-17-65	83.0	132.0	
		12-15-65	86.5	128.5	
		1-18-66	86.1	128.9	
		2-15-66	84.6	130.4	
		3-16-66	83.2	131.8	
		4-13-66	81.6	133.4	
		5-19-66	82.1	132.9	
		6-14-66	82.4	132.6	
		7-20-66	84.3	130.7	
		8-19-66	86.3	128.7	
		9-22-66	88.2	126.8	
12S/05E-33A01 M	280.0	10-18-65	92.1	187.9	5050
		11-17-65	89.8	190.2	
		12-15-65	88.1	191.9	
		1-18-66	(8)		
		2-15-66	(8)	84.8	195.2
		3-16-66	(8)	83.1	196.9
		4-13-66	(8)	82.0	198.0
		5-19-66	(8)	81.3	198.7
		6-14-66	(8)	87.9	192.1
		7-20-66	(1)		
		8-19-66	(8)	97.9	182.1
		9-22-66	(8)	94.3	185.7
		10-18-65	(8)	92.4	187.6
12S/05E-35N02 M	303.0	10-18-65	143.3	159.7	5050
		11-17-65	(3)	112.8	190.2
		12-15-65	125.1	177.5	
		1-18-66	125.1	177.9	
		2-15-66	121.9	181.1	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN BENITO COUNTY 3-03.02					
12S/05E-35N02 M	303.0	3-16-66	126.4	176.6	5050
		4-13-66	122.4	180.6	
		5-19-66	(1)		
		6-14-66	(1)		
		7-20-66	135.9	167.1	
		8-19-66	(1)		
		9-22-66	156.2	146.8	
13S/05E-11Q01 M	325.5	4-07-66	62.7	262.8	5101
SALINAS VALLEY 3-04.00					
PRESSURE AREA 180 FOOT AQUIFER 3-04.01					
14S/02E-03C01 M	10.6	12-10-65	16.0	-5.4	2100
		3-24-66	13.6	-3.0	
14S/02E-15L01 M	23.0	12-08-65	(4)		2100
		3-24-66	(0)		
15S/02E-01Q01 M	42.0	10-19-65	45.0	-3.0	2100
		11-18-65	39.0	3.0	
		12-09-65	36.2	5.8	
		1-02-66	33.5	8.5	
		2-16-66	28.6	13.4	
		3-16-66	34.6	7.4	
		4-18-66	(1)		
		5-19-66	(1)		
		6-17-66	(1)		
		7-17-66	(1)		
		8-14-66	(1)		
		9-18-66	42.7	-0.7	
15S/03E-16M01 M	58.0	12-02-65	41.6	16.4	2100
		3-30-66	57.3	0.7	
15S/04E-33A01 M	125.0	12-03-65	86.6	38.4	2100
		3-29-66	(1)		
16S/04E-11D01 M	110.0	12-10-65	52.7	57.3	2100
		3-29-66	48.9	61.1	
PRESSURE AREA 400 FOOT AQUIFER 3-04.01					
13S/02E-31Q01 M	11.0	12-06-65	11.8	-0.8	2100
		3-22-66	10.6	0.4	
PRESSURE AREA 400 FOOT AQUIFER 3-04.01					
14S/03E-18J01 M	69.0	10-19-65	86.1	-17.1	2100
		11-18-65	78.3	-9.3	
		12-10-65	71.5	-2.5	
		1-21-66	68.3	0.7	
		2-16-66	74.3	-5.3	
		3-16-66	69.3	-0.3	
		4-18-66	81.5	-12.5	
		5-16-66	(1)		
		6-20-66	95.3	-26.3	
		7-17-66	(1)		
		8-14-66	97.3	-28.3	
		9-18-66	98.0	-29.0	
EAST SIDE AREA 3-04.02					
16S/05E-17R01 M	181.0	12-10-65	109.0	72.0	2100
		4-06-66	(1)		
ARROYO SECO CONE 3-04.04					
18S/06E-15M01 M	277.0	12-00-65	(7)		2100
		3-25-66	91.3	185.7	
19S/06E-11C01 M	373.0	10-18-65	(1)		2100
		11-19-65	(9)		
		12-13-65	165.1	207.9	
		1-18-66	165.0	208.0	
		2-14-66	148.2	224.8	
		3-15-66	161.7	211.3	
		4-19-66	173.0	200.0	
		5-17-66	(1)		
		6-16-66	(1)		
		7-17-66	181.1	191.9	
		8-14-66	(1)		
		9-18-66	185.6	187.4	
UPPER VALLEY AREA 3-04.05					
19S/07E-10P01 M	315.0	10-18-65	83.9	231.1	2100
		11-22-65	81.1	233.9	
		12-10-65	80.7	234.3	
		1-18-66	86.0	229.0	
		2-14-66	81.8	233.2	
		3-14-66	(1)		
		4-19-66	(1)		
		5-16-66	91.9	223.1	

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
UPPER VALLEY AREA 3-04, 05					
19S/07E-10P01 M	315.0	6-15-66 7-17-66 8-14-66 9-18-66	(1) (1) 91.6 87.0	2100 223.4 228.0	2100
20S/08E-05R01 M	337.0	10-18-65 11-22-65 12-09-65 1-18-66 2-14-66 3-14-66 4-20-66 5-16-66 6-15-66 7-17-66 8-14-66 9-18-66	67.3 65.3 63.4 65.2 66.0 69.2 (1) (1) (1) (1) (1) 74.8 68.9	2100 269.7 271.7 273.6 271.8 271.0 267.8	2100
21S/09E-06R01 M	344.0	12-00-65 3-31-66	(7) (1)	2100	2100
21S/10E-32N01 M	400.0	12-00-65 3-21-66	(7) 22.0	2100	2100
22S/10E-16R01 M	472.0	12-00-65 3-31-66	(7) (1)	2100	2100
PASO ROBLES BASIN 3-04, 06					
24S/10E-11C01 M	620.0	10-22-65 4-08-66	52.1 (5)	567.9	5117
24S/11E-25N01 M	603.3	10-18-65 4-01-66 9-29-66	38.7 35.8 37.8	564.6 567.5 565.5	5117
24S/11E-33R01 M	565.0	10-18-65 4-01-66 9-29-66	34.5 32.0 30.0	530.5 533.0 535.0	5117
24S/11E-35I01 M	616.8	10-18-65 4-08-66	63.2 62.0	553.6 554.8	5117
24S/12E-17N01 M	770.0	10-18-65 4-08-66	19.0 19.0	751.0 731.0	5117
24S/15E-33C01 M	1225.0	10-21-65 4-19-66	39.5 39.7	1185.5 1185.3	5117
PASO ROBLES BASIN 3-04, 06					
PASO ROBLES BASIN 3-04, 06					
25S/11E-35C01 M	895.0	10-18-65 4-18-66	59.0 62.2	836.0 832.8	5117
25S/12E-17J01 M	640.0	10-17-65 4-08-66	(1) 72.0	568.0	5117
25S/12E-17R01 M	640.0	10-17-65 4-08-66	72.5 55.3	567.5 584.7	5117
25S/12E-26K01 M	749.0	3-18-66	(1) 149.0	600.0	5117
25S/13E-11E01 M	1185.0	10-21-65 4-18-66	69.0 41.0	1116.0 1144.0	5117
25S/16E-17L01 M	1165.0	10-21-65 4-19-66	(1) 38.3 42.0	1126.7 1123.0	5117
25S/16E-30N01 M	1218.0	10-21-65 4-19-66	69.0 68.5	1149.0 1149.5	5117
26S/12E-04N01 M	675.0	10-18-65 4-18-66	49.0 45.8	626.0 629.2	5117
26S/12E-26E01 M	840.0	10-19-65 4-08-66	214.4 196.4	625.6 643.6	5117
26S/12E-35K01 M	818.0	10-19-65 4-08-66	176.7 174.0	641.3 644.0	5117
26S/13E-10N01 M	800.0	10-21-65 4-18-66	34.3 20.0	765.7 780.0	5117
26S/13E-34R01 M	1005.0	10-19-65 4-18-66	170.7 163.5	834.3 841.5	5117
26S/14E-16I01 M	1018.0	10-21-65 4-20-66	80.7 69.7	937.3 948.3	5117
26S/14E-35B01 M	1135.0	10-21-65 4-19-66	(1) 121.5 116.9	1013.5 1018.1	5117
26S/15E-02R01 M	1115.0	10-21-65 4-19-66	32.5 32.0	1082.5 1083.0	5117
26S/15E-28Q02 M	1112.0	10-21-65 4-20-66	(8) 58.0	1054.0	5117

TABLE C-2
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PASO ROBLES BASIN 3-04.06					
26S/15E-29N01 M	1133.0	10-21-65 4-19-66	100.3 (1) 112.0	1032.7 1021.0	5117
27S/12E-21N01 M	748.0	10-17-65 4-06-66	19.4 8.1	728.6 739.9	5117
27S/13E-24N01 M	1030.0	10-19-65 4-18-66	47.2 (1)	928.8	5117
27S/13E-32E01 M	1105.0	10-21-65 4-19-66	55.9 56.3	1049.1 1048.7	5117
27S/15E-10R02 M	1130.0	10-21-65 4-20-66	62.0 60.5	1068.0 1069.5	5117
27S /15E-13A01 M	1155.0	10-22-65 4-20-66	26.2 22.4	1128.8 1132.6	5117
27S /16E-21E02 M	1255.0	10-22-65 4-20-66	59.6 58.2	1195.4 1196.8	5117
28S/12E-10G01 M	825.0	10-14-65 4-06-66	(8) (8)	776.0 794.7	5117
28S/12E-10R02 M	805.0	10-17-65 4-10-66	29.0 10.3	776.0 794.7	5117
28S/12E-13N01 M	850.0	10-14-65 4-06-66	11.7 7.9	838.3 842.1	5117
28S/12E-14G01 M	824.6	10-14-65 4-06-66	18.4 -0.9	806.2 825.5	5117
28S/13E-04K01 M	1199.5	10-21-65 4-19-66	61.5 50.8	1138.0 1148.7	5117
28S/13E-04K02 M	1195.0	10-21-65 4-19-66	78.0 76.2	1117.0 1118.8	5117
28S/14E-07E01 M	1150.0	10-19-65 4-18-66	(4) (4)		5117
28S/16E-23N01 M	1440.0	10-22-65 4-20-66	50.3 52.2	1398.7 1387.8	5117
PASO ROBLES BASIN 3-04.06					
29S/13E-05F03 M	916.1	10-14-65 4-06-66	19.9 16.1	896.2 900.0	5117
29S/13E-05K02 M	928.0	10-14-65 4-06-66	17.3 13.3	910.7 914.7	5117
29S/13E-06A01 M	920.0	10-14-65 4-06-66	63.4 49.1	856.6 870.9	5117
29S/13E-19H01 M	1002.0	10-14-65 4-06-66	15.1 5.9	986.9 996.1	5117
SEASIDE AREA 3-04.08					
14S/02E-31N01 M	119.9	10-00-65 11-00-65 12-00-65 1-00-66 2-00-66 3-00-66 4-20-66 5-26-66 6-29-66 7-00-66 8-00-66 9-20-66	126.5 123.7 122.2 121.5 121.5 122.0 120.4 128.8 125.0 (7) (7) (7) 129.8	-6.6 -3.8 -2.3 -1.6 -1.3 -2.1 -0.5 -8.9 -5.1 (7) (7) (7) -9.9	5005
15S/01E-14N01 M	144.6	10-00-65 11-00-65 12-00-65 1-00-66 2-00-66 3-00-66 4-20-66 5-26-66 6-29-66 7-00-66 8-00-66 9-20-66	108.9 107.0 106.4 105.9 105.2 106.4 106.7 111.6 110.2 (7) (7) (7) 113.1	35.7 37.6 38.2 38.7 39.4 38.2 37.9 33.0 34.4 (7) (7) (7) 31.5	5005
CARMEI VALLEY 3-07.00					
16S/01E-16I01 M	75.0	10-19-65 2-17-66	20.2 15.3	54.8 59.7	2100

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE WATER SURFACE ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE WATER SURFACE ELEVATION IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
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CARREL VALLEY					
16S/01E-22E01 M	82.0	10-19-65 2-17-66	29.5 27.6	52.5 54.4	2100
16S/01E-23F01 M	109.0	10-19-65 2-17-66	26.7 24.5	82.3 84.5	2100
16S/01E-25B01 M	140.0	10-19-65 2-17-66	23.0 16.5	117.0 123.5	2100
WEST SANTA CRUZ TERRACE					
11S/02W-21E01 M	65.0	4-01-66	81.1	-15.8	5102
11S/02W-22K01 M	30.0	4-04-66	(1)		5102

Appendix D
SURFACE WATER QUALITY

INTRODUCTION

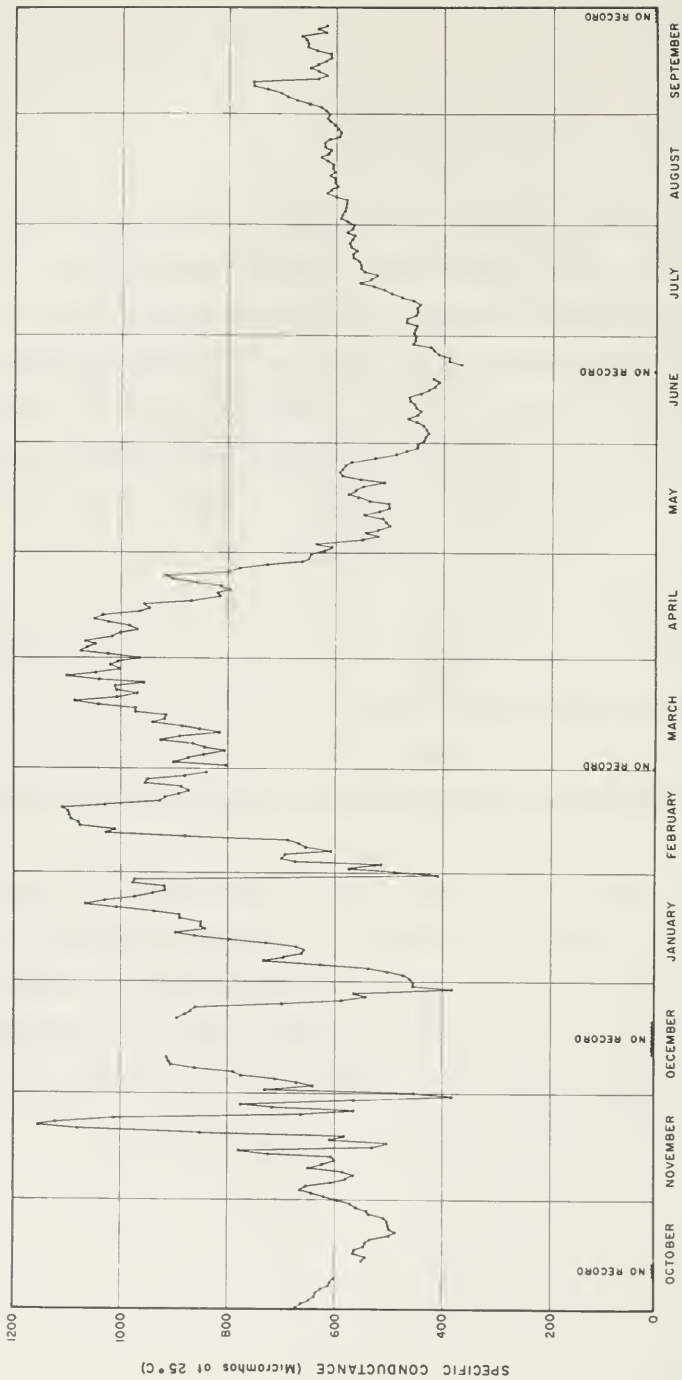
This appendix presents data concerning surface water quality collected during the period from October 1, 1965 through September 30, 1966. The data were collected from 32 stream and estuarine stations in the Central Coastal Area in cooperation with other state, local, and federal agencies.

At the time of sample collection, dissolved oxygen, pH, temperature, and Secchi disk (if possible) measurements were made and gage height and time noted. Comments on local conditions were noted in field books which are available in the files of the Department of Water Resources.

The mineral constituents were determined in accordance with methods presented in the U. S. Geological Survey Water Supply Paper 1454, Methods for Collection and Analyses of Water Samples. The analysis for trace elements is in accordance with the U. S. Geological Survey Water Supply Paper 1540-B, Concentration Method for the Spectro-Chemical Determination of Minor Elements in Water.

Each station in this appendix has a station number which has been derived by adding a decimal and two digits to a related surface water measurement station number. The numbering system for surface water measurement stations is described in the Department publication entitled Index of Stream Gaging Stations In and Adjacent to California, 1966. A sequential station number used in the past follows each station name for reference.

FIGURE D-1



SPECIFIC CONDUCTANCE

DAILY MEAN

ALAMEDA CREEK NEAR NILES (STA. E51150.00)

1965 - 66 WATER YEAR

TABLE D-1
SAMPLING STATION DATA AND INDEX
 CENTRAL COASTAL AREA

Station	Station Number	Location M. D. B. & M.	Beginning Of Record	Frequency Of Sampling	Analyses On Page
ALAMEDA CREEK NEAR NILES (73)	E51150.00	4S/1W-15	Dec. 1951	Monthly	102, 111, 114, 121, 126
ARROYO DEL VALLE NEAR LIVERMORE (71)	E51400.00	4S/2E-4	July 1958	Monthly	103, 111, 114
BIG RIVER NEAR MOUTH (8c)	F82720.00	17N/17W-24	Jan. 1959	Bimonthly	108, 115
CARMEL RIVER AT ROBLES DEL RIO (83)	D41200.00	17S/2E-2	Jan. 1952	Bimonthly	100, 114
COLLINSVILLE (236)	E31110.00	3N/1E-27	1924	Four-day	117
COYOTE CREEK NEAR MADRONE (82)	E64250.00	9S/3E-9	Jan. 1952	Monthly	104, 111, 114
CROCKETT (237)	E03100.90	3N/3W-32	1946	Four-day	117
GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9a)	F81100.00	10N/14W-22	Jan. 1959	Bimonthly	106, 115
LOS GATOS CREEK AT LOS GATOS (74)	E65250.00	8N/1W-29	Dec. 1951	Monthly	105, 114
MARTINEZ (239)	E03300.10	2N/2W-7	1926	Four-day	117
MIDDLE POINT (255)	E03200.00	2N/1W-4	Jan. 1964	Four-day	117
MONTEREY BAY AT SANTA CRUZ (120)	D0PR61.52	11S/1W-19	July 1965	Bimonthly	120, 124
NACIMIENTO RIVER NEAR SAN MIGUEL (43b)	D33520.00	25S/11E-4	July 1958	Bimonthly	100, 114
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	4N/4W-9	Sept. 1965	Bimonthly	101, 114, 121, 125
NAPA RIVER NEAR ST. HELENA (72)	E31500.00	8N/5W-33	Dec. 1951	Monthly	101, 111, 114
NAVARRO RIVER NEAR NAVARRO (8b)	F82100.00	15N/16W-7	Jan. 1959	Bimonthly	107, 115
NOYO RIVER NEAR FORT BRAGG (10c)	F83080.50	18N/17W-10	Jan. 1959	Bimonthly	108, 115
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	12S/3E-12	Dec. 1951	Monthly	94, 111, 113, 120, 124
PITTSBURG (240)	B91070.10	2N/1E-5	1945	Four-day	117
PORT CHICAGO (241)	E03200.90	3N/2W-36	1946	Four-day	117
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	8N/10W-32	Apr. 1951	Bimonthly	109, 111, 115, 122, 126
RUSSIAN RIVER NEAR HEALDSBURG (9)	F91500.00	9N/9W-22	Apr. 1951	Bimonthly	109, 115
RUSSIAN RIVER NEAR HOPLAND (8a)	F91765.00	14N/12W-36	Apr. 1951	Bimonthly	110, 115
RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)	F94900.00	17N/11W-6	May 1951	Bimonthly	110, 115
SALINAS RIVER NEAR BRADLEY (43c)	D21850.00	23S/10E-15	July 1958	Monthly	97, 113
SALINAS RIVER AT PASO ROBLES (43a)	031450.00	26S/12E-28	Apr. 1951	Monthly	98, 113
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	15S/3E-18	Apr. 1951	Monthly	96, 111, 113, 121, 125
SAN ANTONIO RIVER NEAR PLEYTO (43d)	D32200.00	24S/9E-3	July 1958	Bimonthly	99, 113
SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION (77a)	D12450.00	15S/7E-28	July 1958	Bimonthly	96, 113
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	10S/2W-27	Dec. 1951	Monthly	93, 113, 120, 124
SOQUEL CREEK AT SOQUEL (76)	D03100.00	11S/1W-10	Dec. 1951	Bimonthly	94, 113
UVAS CREEK NEAR MORGAN HILL (96)	D11371.50	10S/3E-17	July 1952	Bimonthly	95, 113

Mineral Analyses of Surface Water

Some of the column headings in the following table include:

- Lab - 5000 U. S. Geological Survey
- G.H. - The instantaneous gage height in feet above an established datum.
- Q - The instantaneous discharge measured in cubic feet per second (cfs).
- DO - The dissolved oxygen content in milligrams per liter is listed first and is followed by the percent saturation.
- EC - The specific electrical conductance in micromhos at 25° Centigrade.
- TDS - Gravimetric determination of total dissolved solids in milligrams per liter.
- SUM - Determined by adding amounts of analyzed constituents.
- TH - Total hardness represents the sum of concentrations of calcium and magnesium ions expressed as milligrams per liter of calcium carbonate.
- NCH - Noncarbonate hardness represents any excess of total hardness over the total alkalinity.

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME SAMPLER	G.H. Q	D.O.	TEMP.	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN SAN LORENZO RIVER AT BIG TREES (75)										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	S/O2	TDS	TH						
						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D01200.00 10/18/65 1415	0.90 18	10.3 103	59.0F 103	8.4 7.9	303	--	--	21	--	0.91	--	0.13	2.23	--	4 0.13	136 2.23	--	22	--	--	0.2	--	--	139 21	
D01200.00 11/9/65 0915	1.93 84	11.6 102	49.0F 102	8.3 8.0	379	--	--	22	--	0.96	--	0.07	2.36	--	2 0.07	144 2.36	--	21	--	--	0.0	--	--	142 21	
D01200.00 12/8/65 0930	1.32 33	11.8 98	45.0F 98	8.4 7.8	459	--	--	16	--	0.70	--	0.13	3.00	--	4 0.13	183 3.00	--	10	--	--	0.1	--	--	214 57	
D01200.00 1/11/66 1300	2.54 180	11.9 103	48.0F 103	8.1 8.0	333	--	--	18	--	0.78	--	0.00	1.84	--	0 0.00	112 1.84	--	18	--	--	0.1	--	--	124 32	
D01200.00 2/14/66 1245	2.10 110	12.1 110	52.0F 110	8.2 8.1	352	--	--	19	--	0.83	--	0.00	1.92	--	0 0.00	117 1.92	--	18	--	--	0.0	--	--	130 34	
D01200.00 3/10/66 0930	1.88 80	11.8 105	50.0F 105	8.3 7.6	373	--	--	12	--	0.52	--	0.07	1.98	--	2 0.07	121 1.98	--	18	--	--	0.1	--	--	140 38	
D01200.00 4/13/66 0830	1.53 53	10.2 94	53.0F 94	8.0 7.6	371	--	--	21	--	0.91	--	0.00	2.16	--	0 0.00	132 2.16	--	20	--	--	0.1	--	--	139 31	
D01200.00 5/3/66 0825	1.21 31	10.2 101	58.0F 101	8.0 7.6	363	6.0 2.00	8.5 0.70	21 0.91	1.6 0.04	0.21 0.25	--	0 0.00	1.35 2.21	43 0.90	20 0.56	0.8 0.01	--	0.8 0.01	--	0.0	22	224 224	135 24		
D01200.00 6/16/66 0910	2.2 22	10.1 96	55.0F 96	8.5 7.8	379	--	--	21	--	0.91	--	0.17	2.23	--	5 0.17	136 2.23	--	22	--	--	0.0	--	--	141 21	
D01200.00 7/12/66 0950	1.6 16	10.6 107	60.0F 107	8.4 7.2	372	--	--	24	--	1.04	--	0.07	2.26	--	2 0.07	138 2.26	--	24	--	--	0.0	--	--	138 22	
D01200.00 9/13/66 1110	0.73 11	11.5 115	59.0F 115	8.1 7.9	363	4.1 2.05	7.5 0.62	22 0.96	1.9 0.05	0.26 0.26	--	0 0.00	1.38 2.26	34 0.71	24 0.68	1.5 0.02	--	1.5 0.02	--	0.0	24	214 224	134 21		

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE LAB TIME SAMPLER	G.H. O	DO	TEMP	LAB PH FLO -PH	EC LAB FLD	MINERAL CONSTITUENTS IN SOQUEL GREEK AT SOQUEL (76)										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH						
D03100.00 11/10/65 0955	2.98 3.4	6.6 57	48.0F 7.8	8.3 7.8	821	--	--	4.9 2.13	--	2 0.07	250 4.10	--	80 2.26	--	--	--	0.1	--	--	306 98					
D03100.00 1/11/66 1000	3.03 24	10.5 90	48.0F 7.8	8.3 7.8	624	--	--	36 1.57	--	2 0.07	188 3.08	--	34 0.96	--	--	--	0.1	--	--	282 85					
D03100.00 3/18/66 1300	2.85 14	11.1 109	59.0F 8.0	8.6 8.0	701	--	--	43 1.87	--	12 0.40	202 3.31	--	43 1.21	--	--	--	0.1	--	--	276 91					
D03100.00 5/3/66 1040	2.70 5.8	11.5 112	59.0F 8.3	8.3 8.3	774	79 3.94	24 1.96	52 2.26	4.2 0.11	4 0.13	241 3.95	117 2.44	60 1.69	0.2 0.00	--	--	0.1	28	496 488	295 91					
D03100.00 7/13/66 1100	2.55 1.5	11.6 123	68.0F 8.0	8.6 8.0	740	--	--	45 1.96	--	12 0.40	224 3.67	--	58 1.64	--	--	--	0.0	--	--	292 89					
D03100.00 9/7/66 0810	2.58 1.6	10.5 100	56.0F 8.4	8.5 8.4	723	77 3.84	24 1.97	43 1.87	5.0 0.13	10 0.33	227 3.72	101 2.10	54 1.52	0.2 0.00	--	--	0.2	42	484 468	290 87					
D11250.00 PAJARO RIVER AT CHITTENDEN (77)																									
D11250.00 10/12/65 1620	2.62 5.0	8.2 85	64.0F 7.7	8.4 8.3	1146	--	--	100 4.35	--	20 0.67	403 6.61	--	96 2.71	--	--	--	0.4	--	--	415 52					
D11250.00 11/18/65 1255	3.42 37	4.5 44	59.0F 7.6	8.3 7.6	1270	--	--	66 2.87	--	6 0.20	444 7.28	--	74 2.09	--	--	--	0.4	--	--	576 202					
D11250.00 12/7/65 1420	3.07 18	9.0 77	48.0F 7.7	8.6 7.7	1430	--	--	98 4.26	--	22 0.73	398 6.52	--	100 2.82	--	--	--	0.4	--	--	628 266					
D11250.00 1/13/66 1400	3.18 80	10.1 88	49.0F 8.6	8.3 8.6	1090	--	--	80 3.48	--	4 0.13	300 4.92	--	78 2.20	--	--	--	0.4	--	--	426 173					
D11250.00 2/11/66 1250	3.63 74	10.5 101	57.0F 8.7	8.0 8.7	1010	--	--	71 3.09	--	0 0.00	290 4.75	--	70 1.97	--	--	--	0.3	--	--	373 135					

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN FAJARO RIVER AT CHITTENDEN (77) (CONT.)										MILLIGRAMS PER LITER MILLEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER		
						CA	MG	NA	K	CO3	HC03	S04	CL	NO3	F	B	S102	TDS	TH				
						CA	MG	NA	K	CO3	HC03	S04	CL	NO3	F	B	S102	TDS	TH				
D11250.00 3/15/66 1115	3.05 26	11.5 113	59.0F 7.6	8.3 7.6	1330	-- --	-- 3.70	85 3.70	-- --	4 0.13	370 6.06	-- --	90 2.54	-- --	-- 0.4	-- --	-- --	558 248					
D11250.00 4/12/66 0935	2.88 20	8.2 84	62.0F 7.7	8.4 7.7	1270	-- --	-- 3.57	82 3.57	-- --	12 0.40	386 6.33	-- --	81 2.29	-- --	-- 0.4	-- --	-- --	552 216					
D11250.00 5/3/66 1210	2.85 19	8.8 91	63.0F 8.0	8.4 8.0	1350	136 6.79	51 4.17	100 4.35	2.9 0.07	8 0.27	434 7.11	242 5.04	85 2.40	17 0.27	-- 0.4	21 --	888 877	548 179					
D11250.00 6/15/66 1400	2.53 6.3	11.4 137	78.0F 8.4	8.5 8.4	1390	-- --	-- 5.22	120 5.22	-- --	16 0.53	464 7.60	-- --	106 2.99	-- --	0.5 --	-- --	-- --	536 129					
D11250.00 7/14/66 0730	2.47 4.5	8.9 92	63.0F 7.7	8.3 7.7	1550	-- --	-- 6.96	160 6.96	-- --	4 0.13	522 8.36	-- --	158 4.46	-- --	0.7 --	-- --	-- --	524 89					
D11250.00 9/15/66 1000	2.24 0.2	8.2 84	63.0F 7.6	8.3 7.6	2060	83 4.14	67 5.51	265 11.53	4.1 0.10	8 0.27	504 8.26	113 2.35	371 10.47	1.6 0.03	1.7 --	28 --	1220 1190	482 56					
D11371.50 11/10/65 1055	8 est.	8.2 87	64.0F 8.2	8.3 8.2	371	-- --	-- 0.48	11 0.48	-- --	2 0.07	194 3.18	-- --	5.2 0.15	-- --	0.1 --	-- --	-- --	178 16					
D11371.50 1/12/66 0810	5	10.4 81	41.0F 8.0	8.3 8.0	319	-- --	-- 0.40	9.2 0.40	-- --	2 0.07	153 2.51	-- --	6.0 0.17	-- --	0.1 --	-- --	-- --	146 17					
D11371.50 3/2/66 1230	5000	14.0 134	56.0F 8.4	8.4 8.4	325	-- --	-- 0.44	10 0.44	-- --	5 0.17	152 2.49	-- --	6.0 0.17	-- --	0.1 --	-- --	-- --	151 18					
D11371.50 5/11/66 1120	15 est.	12.5 120	56.0F 8.0	8.3 8.0	325	30 1.50	18 1.50	10 0.44	0.9 0.02	1 0.03	163 2.67	28 0.58	7.0 0.20	1.0 0.02	0.1 --	15 --	201 191	150 15					

D11371.50 UVAS CREEK NEAR MORGAN HILL (96)

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MORGAN HILL (96) (CONT.)										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HC03	S04	CL	N03	F	B	SiO2	TDS	TH						
						UWAS	GREEK NEAR										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE								
D11371.50 7/13/66 1340	10 est.	11.8 116	58.0F 8.2	8.5 8.2	366	--	--	12 0.52	--	6 0.20	176 2.88	--	7.0 0.20	--	--	0.0	--	--	175 21						
D11371.50 9/7/66 1300	12 est.	11.4 113	59.0F 8.4	8.2 8.4	412	45 2.25	21 1.73	13 0.57	1.4 0.04	0 0.00	220 3.61	32 0.67	8.0 0.23	0.4 0.01	--	0.1	18	245 247	199 19						
D12450.00 SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION (77A)																									
D12450.00 11/2/65 1410	5.30 0.2	12.9 127	56.0F 8.5	8.6 8.5	2130	--	--	246 10.70	--	26 0.87	504 8.26	--	208 5.87	--	2.2	--	--	--	600 144						
D12450.00 1/6/66 0840	5.30 18	11.6 94	42.0F 8.1	8.6 8.1	1280	--	--	109 4.74	--	28 0.93	462 7.57	--	72 2.03	--	0.9	--	--	--	498 73						
D12450.00 3/1/66 1435	5.24 39	10.2 93	50.0F 8.4	8.7 8.4	884	--	--	48 2.09	--	26 0.87	431 7.06	--	26 0.73	--	0.5	--	--	--	427 31						
D12450.00 5/9/66 1500	4.22 2.0	12.8 150	73.0F 8.7	8.6 8.7	1480	13 0.65	103 8.47	163 43	4.3 0.11	16 0.53	408 6.69	284 5.91	119 3.36	0.0 0.00	1.4	3.2	932 908	456 95							
D12450.00 7/15/66 1000	4.09 0.2	14.1 150	63.0F 8.4	8.6 8.4	1760	--	--	205 8.92	--	28 0.93	468 7.67	--	160 4.51	--	1.4	--	--	--	544 114						
D12450.00 9/2/66 1430	4.03 0.1	-- --	74.0F --	8.5 --	1940	38 1.90	115 9.46	241 10.48	5.8 0.15	27 0.90	510 8.36	389 8.10	170 4.80	0.7 0.01	1.9	17	1240 1260	568 106							
D21220.00 SALINAS RIVER NEAR SPRECKELS (43)																									
D21220.00 10/13/65 1030	7.73 3.1	2.9 30	64.0F 7.3	8.6 7.3	894	--	--	68 2.96	--	16 0.53	328 5.38	--	74 2.09	--	0.0	--	--	--	302 8						
D21220.00 11/18/65 1200	8.44 82	2.5 27	66.0F 7.4	8.0 7.4	655	--	--	36 1.57	--	0 0.00	256 4.20	--	42 1.18	--	0.0	--	--	--	235 25						
D21220.00 12/7/65 1330	7.87 23	7.4 72	58.0F 7.3	8.4 7.3	1070	--	--	79 3.44	--	10 0.33	374 6.13	--	82 2.31	--	0.2	--	--	--	390 67						

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN SALINAS RIVER NEAR SPRECKELS (43) (CONT.)										MILLIGRAMS PER LITER EQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SI02	SUM	TDS	TH	NCH				
D21220.00 1/13/66 1130	9.08 110	8.6 77	52.0F	8.4 7.1	770	--	--	50 2.18	--	--	6 0.20	232 3.80	--	42 1.18	--	--	0.6	--	--	298 98					
D21220.00 2/11/66 1120	9.23 155	10.9 96	50.0F	8.2 7.8	800	--	--	52 2.26	--	--	0 0.00	247 4.05	--	46 1.30	--	--	0.1	--	--	304 101					
D21220.00 3/15/66 0915	7.60 7.7	7.0 62	51.0F	7.4 7.4	1230	--	--	100 4.35	--	--	0 0.00	404 6.62	--	95 2.68	--	--	0.2	--	--	432 101					
D21220.00 4/12/66 1715	7.52 8.2	--	70.0F	7.9 7.7	1540	--	--	133 5.79	--	--	0 0.00	614 10.06	--	148 4.18	--	--	0.2	--	--	492 0					
D21220.00 5/12/66 0800	7.85 18	2.6 28	64.0F	7.3 7.5	1040	97 4.84	31 2.56	74 3.22	26 0.66	0 0.00	448 7.34	59 1.23	74 2.09	25 0.40	--	--	0.0	23	620 630	370 3					
D21220.00 6/15/66 1300	7.09 0.9	6.2 70	71.0F	8.0 7.6	1260	--	--	140 6.09	--	--	0 0.00	326 5.34	--	157 4.43	--	--	0.4	--	--	304 37					
D21220.00 7/14/66 0600	7.07 0.9	5.9 52	50.0F	7.3 7.3	1120	--	--	135 5.87	--	--	0 0.00	196 3.21	--	135 3.81	--	--	0.3	--	--	248 87					
D21220.00 9/13/66 0930	7.02 1.8	3.1 33	65.0F	7.3 7.3	1240	56 2.79	39 3.21	141 6.13	10 0.26	0 0.00	320 5.24	152 3.16	127 3.58	25 0.40	--	--	0.6	48	752 757	300 38					
D21850.00 10/12/65 1315	4.59 255	8.8 101	71.0F	8.5 8.1	318	--	--	12 0.52	--	--	6 0.20	134 2.20	--	7.6 0.21	--	--	0.2	--	--	141 21					
D21850.00 11/2/65 1030	4.53 245	7.7 76	57.0F	8.4 7.8	338	--	--	14 0.61	--	--	4 0.13	146 2.39	--	7.8 0.22	--	--	0.0	--	--	146 20					
D21850.00 12/7/65 1030	3.74 15	12.2 117	55.0F	8.6 8.1	694	--	--	49 2.13	--	--	8 0.27	225 3.69	--	32 0.90	--	--	0.1	--	--	266 68					

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION DATE TIME	NUMBER LAB SAMPLER	G.H. O	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
							CA	MG	NA	K	CO3	HC03	S04	CL	N03	F	B	S102	TDS	TH	NCH
							SALINAS RIVER NEAR BRADLEY (43c) (CONT.)														
D21850.00 1/5/66 1310	5000	4.72 380	10.5 102	56.0F 8.0	8.4 8.0	643	--	--	40 1.74	--	12 0.40	211 3.46	--	32 0.90	--	0.0	--	--	255 62		
D21850.00 2/11/66 0830	5000	4.43 290	10.5 98	53.0F 8.4	8.4 8.4	707	--	--	43 1.87	--	6 0.20	253 4.15	--	36 1.02	--	0.1	--	--	280 63		
D21850.00 3/1/66 1250	5000	4.12 85	10.2 101	58.0F 8.2	8.7 8.2	777	--	--	58 2.52	--	14 0.47	254 4.16	--	44 1.24	--	0.2	--	--	298 67		
D21850.00 4/12/66 1320	5000	3.65 10	10.2 129	81.0F 8.5	8.6 8.5	818	--	--	63 2.74	--	12 0.40	226 3.70	--	54 1.52	--	0.2	--	--	304 99		
D21850.00 5/10/66 1015	5000	4.95 460	11.1 111	59.0F 8.1	8.2 8.1	318	30 1.50	15 1.22	13 0.57	1.3 0.03	0 0.00	139 2.28	40 0.83	8.9 0.25	0.8 0.01	0.1	12	196 189	136 22		
D21850.00 6/15/66 1000	5000	4.71 255	10.3 107	63.0F 8.0	8.4 8.0	318	--	--	12 0.52	--	2 0.07	134 2.20	--	7.3 0.21	--	0.0	--	--	137 24		
D21850.00 7/19/66 1201	5000	5.10 460	12.1 112	53.0F 8.0	8.4 8.0	306	--	--	12 0.52	--	4 0.13	128 2.10	--	7.0 0.20	--	0.0	--	--	136 24		
D21850.00 9/1/66 1130	5000	5.16 490	11.8 127	65.0F 8.2	8.2 8.2	314	31 1.55	15 1.23	11 0.48	1.3 0.03	0 0.00	143 2.34	40 0.83	5.8 0.16	0.5 0.01	0.0	12	188 187	139 22		
D31450.00 10/12/65 1115		0.0					D31450.00 SALINAS RIVER AT PASO ROBLES (43a)														
D31450.00 11/2/65 0620		0.0																			
D31450.00 12/7/65 0835	5000	15 est.	10.5 88	45.0F 7.7	8.6 7.7	602	--	--	40 1.74	--	11 0.37	213 3.49	--	28 0.79	--	0.1	--	--	249 56		

TABLE D-5
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. O	DO TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN SALINAS RIVER AT PASO ROBLES (43a) (CONT.)							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER		
					CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	B	SIO2	TDS	TH	NH
					4.34	2.74	4.22	0.11	0.27	5.67	3.71	2.20	0.02	0.3	25	687	682	57	
D31450.00 1/5/66 0810	30 est.	11.8 106	8.2 7.6	557	--	--	23 1.00	--	0 0.00	220 3.61	--	20 0.56	--	--	0.0	--	245 65		
D31450.00 2/10/66 1650	20 est.	10.9 100	8.3 8.0	570	--	--	25 1.09	--	2 0.07	222 3.64	--	22 0.62	--	--	0.0	--	249 64		
D31450.00 3/1/66 0750	12 est.	11.0 100	8.4 8.0	744	--	--	40 1.74	--	10 0.33	262 4.29	--	36 1.02	--	--	0.1	--	322 91		
D31450.00 4/12/66 1200	4 est.	13.0 163	8.6 8.4	934	--	--	78 3.39	--	12 0.40	284 4.65	--	65 1.83	--	--	0.1	--	338 85		
D31450.00 5/10/66 0550	1.5 est.	8.2 84	8.3 7.5	1070	87 4.34	33 2.74	97 4.22	4.3 0.11	8 0.27	346 5.67	178 3.71	78 2.20	1.3 0.02	--	0.3	25	354 57		
D31450.00 6/15/66 0815	0.0																		
D31450.00 7/19/66 0830	0.0																		
D31450.00 9/1/66 0800	0.0																		
D32200.00 SAN ANTONIO RIVER NEAR PLEUYTO (43d)																			
D32200.00 11/2/65 0910	5000	0.2 72 est.	7.6 7.8	8.3 7.8	442	--	22 0.96	--	2 0.07	187 3.06	--	16 0.45	--	--	0.0	--	186 29		
D32200.00 1/5/66 1130	5000	200 est.	10.0 102	8.4 7.6	371	--	12 0.52	--	8 0.27	136 2.23	--	7.0 0.20	--	--	0.0	--	167 42		
D32200.00 3/1/66 1100	5000	60 est.	10.4 99	8.4 8.0	402	--	13 0.57	--	4 0.13	157 2.57	--	8.4 0.24	--	--	0.0	--	179 44		

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN SAN ANTONIO RIVER NEAR PLETO (43d) (CONT.)										MILLIGRAMS PER LITER MILLEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS	TH	NCH					
D32200.00 5/10/66 0910	5000	7 est.	10.7 64.0F 114	8.2 8.3	440	52 2.59	16 1.29	19 0.83	1.5 0.04	0 0.00	182 2.98	65 1.35	11 0.31	0.2 0.00	--	0.0	27	286 282	194 45						
D32200.00 7/19/66 1020	5000	2 est.	12.5 53.0F 117	8.4 7.9	439	--	--	22 0.96	--	8 0.27	176 2.88	--	13 0.37	--	0.0	--	--	--	188 31						
D32200.00 9/1/66 1000		0.0																							
D33520.00 11/2/65 0720	5000	240 est.	9.1 58.0F 90	8.0 7.6	302	--	--	9.4 0.41	--	0 0.00	141 2.31	--	5.3 0.15	--	0.0	--	--	--	137 21						
D33520.00 1/5/66 0930	5000	1.5 est.	8.0 58.0F 79	8.3 7.6	344	--	--	9.5 0.41	--	2 0.07	162 2.66	--	6.9 0.19	--	0.0	--	--	--	161 25						
D33520.00 3/1/66 1000	5000	5 est.	9.0 50.0F 81	8.3 7.7	353	--	--	10 0.44	--	2 0.07	168 2.75	--	6.0 0.17	--	0.1	--	--	--	162 21						
D33520.00 5/10/66 0745	5000	380 est.	11.1 51.0F 101	8.2 7.6	281	27 1.35	14 1.15	9.6 0.42	1.3 0.03	0 0.00	125 2.05	33 0.69	6.9 0.19	0.9 0.01	0.1	10	172 165	125 23							
D33520.00 7/19/66 0930	5000	470 est.	13.5 50.0F 122	8.4 7.4	294	--	--	10 0.44	--	2 0.07	126 2.07	--	7.0 0.20	--	0.0	--	--	--	131 24						
D33520.00 9/1/66 0900	5000	500 est.	12.2 52.0F 113	8.4 7.8	297	30 1.50	15 1.23	9.5 0.41	1.1 0.03	4 0.13	128 2.10	33 0.69	5.3 0.15	0.5 0.01	0.0	12	173 173	136 24							
D41200.00 11/19/65 0910	5000	2.83 61	8.4 68.0F 93	8.2 7.6	330	--	--	16 0.70	--	0 0.00	140 2.29	--	10 0.28	--	0.0	--	--	--	120 5						
D41200.00 1/13/66 0820	5000	2.40 45	10.6 48.0F 92	8.1 8.1	230	--	--	11 0.48	--	0 0.00	95 1.56	--	9.0 0.25	--	0.0	--	--	--	87 9						

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN GARMEL RIVER AT ROBLES DEL RIO (83) (CONT.)										MILLIGRAMS PER LITER MILLEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	TDS	TH	NCH				
D41200.00 3/15/66 0800	2.65 40	12.6 117	53.0F	8.2 7.6	265	--	--	14 0.61	--	0 0.00	106 1.74	--	12 0.34	--	--	0.0	--	--	98 11						
D41200.00 5/11/66 0610	1.96 0.4	6.4 62	58.0F	8.0 7.4	457	41 2.05	16 1.33	28 1.22	2.4 0.06	0 0.00	155 2.54	64 1.33	28 0.79	0.1 0.00	--	0.1	19	278 275	169 42						
D41200.00 7/15/66 0750	0.0																								
D41200.00 9/2/66 1300	0.0																								
E31100.50 6/3/66 0900		9.8 101	63.0F	8.0 7.8	17200	--	--	3100 134.8	--	0 0.00	120 1.97	--	5650 159.4	--	--	1.4	--	--	2010 1910						
E31100.50 7/20/66 1100		9.1 95	64.0F	7.8 7.9	27000	--	--	5200 226.2	--	0 0.00	110 1.80	--	9600 270.8	--	--	2.3	--	--	3240 3150						
E31100.50 9/21/66 1200		8.3 92	70.0F	-- 8.1	29700	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
E31500.00 10/15/65 1230	0.72 1.0	4.1 42	61.0F	8.5 6.9	348	--	--	19 0.83	--	4 0.13	179 2.93	--	16 0.45	--	--	0.5	--	--	159 6						
E31500.00 11/12/65 1230	0.67 4.9	3.7 37	58.0F	8.0 7.1	342	--	--	21 0.91	--	0 0.00	146 2.39	--	26 0.73	--	--	0.5	--	--	126 6						
E31500.00 12/13/65 0920	0.92 13	9.1 79	48.0F	8.3 7.1	283	--	--	24 1.04	--	1 0.03	100 1.64	--	24 0.68	--	--	0.6	--	--	85 1						
E31500.00 1/14/66 1400	2.06 110	10.9 99	52.0F	8.1 7.3	192	--	--	11 0.48	--	0 0.00	70 1.15	--	8.0 0.23	--	--	0.3	--	--	67 10						

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN NAPA RIVER NEAR ST. HELENA (72) (CONT.)										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HC03	SO4	CL	N03	F	B	SiO2	SUM	TH	NCH			
E31500.00 2/8/66 1430	2.52 197	10.8 106	58.0F	8.0 7.4	158	-- 9.5 0.41	-- -- --	-- -- --	-- -- --	0 0.00	63 1.03	-- -- --	1.2 0.03	-- -- --	0.1 --	-- -- --	53 1						
E31500.00 3/4/66 1550	1.74 70	11.6 100	48.0F	8.0 7.1	201	-- 12 0.52	-- -- --	-- -- --	-- -- --	0 0.00	83 1.36	-- -- --	9.0 0.25	-- -- --	0.3 --	-- -- --	69 1						
E31500.00 4/8/66 1225	1.17 27	10.9 116	64.0F	8.0 7.5	247	-- 16 0.70	-- -- --	-- -- --	-- -- --	0 0.00	101 1.66	-- -- --	14 0.39	-- -- --	0.3 --	-- -- --	84 1						
E31500.00 5/6/66 0800	0.88 15	7.8 81	62.0F	8.0 7.3	303	23 1.15	9.6 0.79	23 1.00	2.5 0.06	0 0.00	116 1.90	17 0.35	21 0.59	7.4 0.12	0.7 --	35 --	198 196						
E31500.00 6/10/66 1200	0.65 6.4	13.2 153	72.0F	8.4 7.4	339	-- -- --	-- -- --	22 0.96	-- -- --	1 0.03	141 2.31	-- -- --	22 0.62	-- -- --	0.6 --	-- -- --	119 2						
E31500.00 7/13/66 1150	0.47 1.5	10.0 111	69.0F	8.5 7.2	356	-- -- --	-- -- --	18 0.78	-- -- --	2 0.07	167 2.74	-- -- --	12 0.34	-- -- --	0.3 --	-- -- --	150 10						
E31500.00 9/16/66 1330	0.60 0.9	8.0 85	65.0F	7.4 7.6	373	33 1.65	18 1.48	18 0.78	2.2 0.06	0 0.00	186 3.05	17 0.35	12 0.34	8.0 0.13	0.3 --	26 --	221 226						
E51150.00 10/14/65 1232	3.08 39	9.6 98	63.0F	8.2 7.8	455	-- -- --	-- -- --	52 2.26	-- -- --	0 0.00	126 2.07	-- -- --	72 2.03	-- -- --	0.1 --	-- -- --	136 33						
E51150.00 11/9/65 1245	3.14 49	10.3 102	59.0F	8.0 8.0	579	-- -- --	-- -- --	54 2.35	-- -- --	0 0.00	126 2.07	-- -- --	85 2.40	-- -- --	0.3 --	-- -- --	149 46						
E51150.00 12/10/65 1300	2.60 8.2	11.2 99	50.0F	8.2 7.9	894	-- -- --	-- -- --	71 3.09	-- -- --	0 0.00	284 4.65	-- -- --	96 2.71	-- -- --	0.7 --	-- -- --	306 73						
E51150.00 1/11/66 1410	2.74 15	8.2 74	52.0F	8.5 8.5	744	-- -- --	-- -- --	50 2.18	-- -- --	13 0.43	245 4.02	-- -- --	60 1.69	-- -- --	0.5 --	-- -- --	286 64						

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. O	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLEQUIVALENT PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	CO3	HC03	SO4	CL	NO3	F	B	SiO2	TDS SUM
E51150.00 ALAMEDA GREEK NEAR NILES (73) (CONT.)																			
E51150.00 2/14/66 0900	3.08 42	10.1 87	48.0F 8.2	7.8 7.9	1220	--	--	126 5.48	--	--	0 0.00	301 4.93	--	198 5.59	--	--	0.8	--	284 37
E51150.00 3/11/66 1100	2.93 28	10.5 97	54.0F 8.2	8.4 8.2	866	--	--	82 3.57	--	--	6 0.20	204 3.34	--	105 2.96	--	--	0.6	--	252 75
E51150.00 4/13/66 1415	2.63 10	9.9 107	68.0F 8.0	8.3 8.0	848	--	--	69 3.00	--	--	2 0.07	249 4.08	--	88 2.48	--	--	0.6	--	277 70
E51150.00 5/19/66 1040	3.10 47	9.9 105	65.0F 8.0	8.0 8.0	460	28 1.40	13 1.10	42 1.83	1.8 0.05	0 0.00	111 1.82	41 0.85	55 1.55	0.02	1.1	0.1	11	256 248	125 34
E51150.00 6/17/66 1500	3.03 38	10.8 126	75.0F 8.0	8.2 8.0	409	--	--	37 1.61	--	--	0 0.00	119 1.95	--	46 1.30	--	--	0.3	--	118 20
E51150.00 7/14/66 0700	2.86 24	8.8 93	65.0F 7.9	8.0 7.9	548	--	--	52 2.26	--	--	0 0.00	146 2.39	--	72 2.03	--	--	0.2	--	148 28
E51150.00 8/5/66 0815	3.10 45	8.3 91	69.0F 7.9	8.2 7.9	584	--	--	68 2.96	--	--	0 0.00	106 1.74	--	104 2.93	--	--	0.1	--	126 39
E51150.00 9/22/66 1000	27	9.1 96	65.0F 8.2	7.9 8.2	645	30 1.50	19 1.56	70 3.06	3.1 0.08	0 0.00	138 2.26	44 0.92	100 2.82	0.6 0.01	0.2	7.6	348 342	153 40	
E51400.00 ARROYO DEL VALLE NEAR LIVERMORE (71)																			
E51400.00 10/14/65 1030	1.65 0.05	2.5 28	67.0F 7.6	8.2 7.6	882	--	--	90 3.92	--	--	0 0.00	382 6.26	--	102 2.88	--	--	2.0	--	353 40
E51400.00 11/4/65 1740	1.58 0.1	4.0 35	49.0F 7.1	8.3 7.1	1290	--	--	149 6.48	--	--	10 0.33	464 7.60	--	152 4.29	--	--	3.7	--	332 0
E51400.00 12/10/65 1065	2.32 4.2	11.4 105	52.0F 8.0	8.3 8.0	676	--	--	36 1.57	--	--	3 0.10	290 4.75	--	30 0.85	--	--	0.5	--	295 52

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH
E51400.00 ARROYO DEL VALLE NEAR LIVERMORE (71) (CONT.)																			
E51400.00 1/14/66 1415	2.49 12	10.6 100	54.0F 8.1	8.5 8.1	532	--	--	23 1.00	--	12 0.40	235 3.85	--	16 0.45	--	--	0.7	--	243 31	
E51400.00 2/9/66 1700	2.71 31	10.4 83	42.0F 8.2	8.4 8.2	474	--	--	20 0.87	--	4 0.13	223 3.65	--	12 0.34	--	--	0.2	--	213 24	
E51400.00 3/3/66 1740	2.47 11	10.6 93	48.0F 8.3	8.6 8.3	531	--	--	24 1.04	--	8 0.27	244 4.00	--	17 0.48	--	--	0.4	--	237 24	
E51400.00 4/13/66 1725	2.25 2.5	8.5 92	66.0F 7.9	8.5 7.9	618	--	--	34 1.48	--	7 0.23	284 4.65	--	24 0.68	--	--	0.5	--	274 30	
E51400.00 5/20/66 1305	2.14 0.9	9.5 114	75.0F 8.1	8.4 8.1	763	67 3.34	37 3.02	50 2.18	2.4 0.06	6 0.20	342 5.61	77 1.60	40 1.13	0.1 0.00	--	0.9	19	464 467	
E51400.00 6/14/66 1050	2.14 0.4	9.6 116	76.0F 8.0	8.2 8.0	729	--	--	48 2.09	--	0 0.00	315 5.16	--	40 1.13	--	--	0.7	--	284 26	
E51400.00 7/20/66 0755	2.10 0.2	8.9 93	62.0F 7.9	8.3 7.9	883	--	--	70 3.04	--	4 0.13	360 5.90	--	63 1.78	--	--	1.4	--	324 22	
E51400.00 9/7/66 1630	0.0																		
E64250.00 COYOTE CREEK NEAR MADRONE (82)																			
E64250.00 10/18/65 1830	2.36 65	9.2 97	64.0F 8.1	8.5 8.1	329	--	--	16 0.70	--	6 0.20	165 2.70	--	10 0.28	--	--	0.3	--	160 15	
E64250.00 11/10/65 1205	2.30 46	8.1 84	62.0F 8.2	8.1 8.2	386	--	--	17 0.74	--	0 0.00	183 3.00	--	10 0.28	--	--	0.1	--	167 17	
E64250.00 12/8/65 1235	2.25 37	10.4 81	41.0F 8.4	8.6 8.4	400	--	--	18 0.78	--	6 0.20	182 2.98	--	11 0.31	--	--	0.1	--	198 39	

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. O	D.O.	TEMP.	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER														
						CA		MG		NA		K		CO3		HCO3		S04		CL		NO3		F	B	SI02	SUM	TDS	TH	NCH
						COYOTE CREEK NEAR MAURONE (82)	(CONT.)	LOS GATOS CREEK AT LAS GATOS (74)	(CONT.)																					
E64250.00 1/12/66 0930	1.08 0.1	10.1 84	45.0F 8.2	8.4 8.2	419	--	--	18 0.78	--	4 0.13	181 2.97	--	14 0.39	--	--	--	--	0.1	--	--	--	180 25								
E64250.00 2/14/66 1050	1.97 6.5	10.2 93	52.0F 8.0	8.4 8.0	436	--	--	21 0.91	--	3 0.10	194 3.18	--	15 0.42	--	--	--	0.1	--	--	--	182 18									
E64250.00 3/2/66 1100	1.08 0.1	15.1 132	49.0F 8.5	8.6 8.5	422	--	--	21 0.91	--	5 0.17	175 2.87	--	12 0.34	--	--	--	0.1	--	--	--	176 24									
E64250.00 4/13/66 1225	2.44 75	12.5 119	55.0F 8.3	8.5 8.3	441	--	--	22 0.96	--	6 0.20	189 3.10	--	10 0.28	--	--	--	0.1	--	--	--	190 25									
E64250.00 5/11/66 1235	2.43 72	11.5 117	62.0F 8.3	8.4 8.3	398	4.1 2.05	1.6 1.35	18 0.78	1.6 0.04	4 0.13	172 2.82	4.6 0.96	12 0.34	1.4 0.02	--	--	0.1	9.3	--	--	230 234									
E64250.00 6/16/66 1400	2.42 65	10.3 120	73.0F 8.4	8.6 8.4	433	--	--	19 0.83	--	8 0.27	186 3.05	--	14 0.39	--	--	--	0.1	--	--	--	188 22									
E64250.00 7/14/66 0950	0.7	9.8 107	67.0F 8.2	8.5 8.2	537	--	--	26 1.13	--	8 0.27	240 3.93	--	19 0.54	--	--	--	0.0	--	--	--	238 28									
E64250.00 9/15/66 1200	0.0																													
E65250.00 10/18/65 1625	3.1	9.4 100	64.0F 8.0	8.5 8.0	414	--	--	14 0.61	--	5 0.17	184 3.02	--	9.0 0.25	--	--	--	0.2	--	--	--	202 43									
E65250.00 11/9/65 1155	3.3	8.6 87	60.0F 8.1	8.1 8.1	457	--	--	15 0.63	--	0 0.00	198 3.25	--	9.0 0.25	--	--	--	0.1	--	--	--	209 47									
E65250.00 12/18/65 1110	45	9.6 93	56.0F 8.2	8.3 8.2	397	--	--	24 1.04	--	2 0.07	138 2.26	--	23 0.65	--	--	--	0.0	--	--	--	147 31									

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB LAB	G.H.	DO	TEMP	EC LAB	MINERAL CONSTITUENTS IN LOS GATOS CREEK AT LOS GATOS (74) (CONT.)										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE			MILLIGRAMS PER LITER		
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS	TH	NCH	
E65250.00 1/12/66 1200	8.3 402	4.03 23	10.1 93	52.0F	8.3 8.3	--	--	13	--	3	0.10	14.1	--	8.9	--	--	0.0	--	179		
						--	0.57	0.10	2.31	0.25	--	--	58								
E65250.00 2/14/66 1345	8.4 420	4.34 44	10.5 102	56.0F	8.4 8.4	--	--	15	--	0	0.00	14.9	--	10	--	0.0	--	181			
						--	0.65	0.00	2.44	0.28	--	--	59								
E65250.00 3/2/66 1430	8.6 468	3.57 2.1	12.5 118	54.0F	8.4 8.4	--	--	16	--	8	0.27	16.2	--	8.5	--	0.1	--	213			
						--	0.70	0.27	2.66	0.24	--	--	67								
E65250.00 4/13/66 1045	8.3 469	3.69 6.2	10.7 101	54.0F	8.0 8.0	--	--	17	--	2	0.07	16.6	--	11	--	0.1	--	211			
						--	0.74	0.07	2.72	0.31	--	--	72								
E65250.00 5/11/66 0910	8.0 486	3.87 14	10.8 106	57.0F	8.0 8.0	55	20	18	1.6	0	0.00	18.0	90	11	1.2	0.0	15	310			
						2.74	1.66	0.78	0.04	0.00	2.95	1.87	0.31	0.02	301	72					
E65250.00 6/16/66 1050	8.4 531	10.0 10	10.0 102	60.0F	8.2 8.2	--	--	21	--	5	0.17	19.5	--	12	--	0.1	--	243			
						--	0.91	0.17	3.20	0.34	--	--	75								
E65250.00 7/13/66 1210	8.6 549	0.6 101	9.9 101	60.0F	7.4 7.4	--	--	20	--	8	0.27	20.4	--	12	--	0.0	--	262			
						--	0.87	0.27	3.34	0.34	--	--	82								
E65250.00 9/7/66 1020	8.2 616	3.56 2.2	10.5 117	68.0F	8.4 8.4	73	27	23	2.6	0	0.00	24.5	112	14	0.6	0.2	14	400			
						3.64	2.22	1.00	0.07	0.00	4.02	2.33	0.39	0.01	387	92					
E81100.00 GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (90)																					
E81100.00 11/16/65 1200	8.1 188	3.94 445	5.3 52	59.0F	7.4 7.4	--	--	8.4	--	0	0.00	8.8	--	6.7	--	0.0	--	77			
						--	0.37	0.00	1.44	0.19	--	--	5								
E81100.00 1/19/66 1230	7.8 191	3.80 380	10.8 84	50.0F	7.5 7.5	--	--	8.2	--	0	0.00	9.2	--	5.7	--	0.0	--	78			
						--	0.36	0.00	1.51	0.16	--	--	3								
E81100.00 3/17/66 1130	8.0 171	3.75 492	13.0 124	55.0F	7.3 7.3	--	--	8.4	--	0	0.00	8.5	--	4.7	--	0.0	--	72			
						--	0.37	0.00	1.39	0.13	--	--	2								

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. O	DO	TEMP	LAB -PH FLO -PH	EC LAB FLD	MINERAL CONSTITUENTS IN CENTRAL COASTAL AREA						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER		
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102	TDS	TH	NCH
F81100.00 GUALALA RIVER, SOUTH FORK, NEAR ANNAEAPOLIS (9a) (CONT.)																				
F81100.00 5/17/66 1005	45	9.9 101	62.0F 7.7	8.0 7.7	248	24 1.20	11 0.90	12 0.52 20	1.7 0.04	0 0.00	133 0.27	13 0.22	7.8 0.00	0.3	--	0.1	14 157 150	105 0		
F81100.00 7/20/66 0940	3.74 14	8.0 87	68.0F 7.7	8.2 7.7	267	--	--	13 0.57	--	0 0.00	148 2.43	--	6.6 0.19	--	0.0	--	--	114 0		
F81100.00 9/9/66 1200	3.40 1.0	9.8 102	64.0F 7.4	7.7 7.4	276	27 1.35	12 0.99	14 0.61 20	1.5 0.04	0 0.00	155 2.54	9.0 0.19	6.4 0.18	0.2	0.2	19	163 165	117 0		
F82100.00 NAVARRO RIVER NEAR NAVARRO (8b)																				
F82100.00 11/12/65 0900	3.55 59	9.4 89	56.0F 7.6	8.4 7.6	285	--	--	13 0.57	--	3 0.10	150 2.46	--	8.2 0.23	--	0.2	--	--	121 0		
F82100.00 1/12/66 1130	6.47 532	11.6 99	48.0F 7.3	7.6 7.3	177	--	--	8.6 0.37	--	0 0.00	85 1.39	--	5.8 0.16	--	0.1	--	--	71 1		
F82100.00 3/17/66 1000	6.35 638	13.4 124	54.0F 7.4	8.2 7.4	195	--	--	12 0.52	--	0 0.00	85 1.39	--	11 0.31	--	0.0	--	--	70 0		
F82100.00 5/17/66 0750	66	10.4 94	59.0F 7.5	7.9 7.5	255	26 1.30	10 0.82	12 0.52 19	1.4 0.04	0 0.00	136 2.23	12 0.25	7.9 0.22	0.1	0.2	16	154 153	106 0		
F82100.00 7/20/66 0640	3.74 14.1	7.0 73	64.0F 7.3	8.4 7.3	270	--	--	13 0.57	--	4 0.13	142 2.33	--	7.4 0.21	--	0.0	--	--	115 0		
F82100.00 9/9/66 1000	6.0	10.2 98	60.0F 7.4	Sample Lost 7.4																

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME LAB SAMPLER	G.H. O	DO	TEMP	LAB -PH FLD -PH	EC LAB	MINERAL CONSTITUENTS IN BIG RIVER NEAR MOUTH (8c)										MILLIGRAMS PER LITER EQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HC03	S04	CL	NO3	F	B	SiO2	TDS	TH	NCH					
F82720.00 11/11/65 1450	14	10.3 98	56.0F	8.2 7.6	236	--	--	12 0.52	--	--	0 0.00	126 2.07	--	7.7 0.22	--	--	0.4	--	--	--	96 0				
F82720.00 1/13/66 1545	300 est.	11.5 99	48.0F	7.6 7.2	139	--	--	7.7 0.33	--	--	0 0.00	65 1.07	--	5.0 0.14	--	--	0.1	--	--	--	52 0				
F82720.00 3/16/66 1615	350 est.	11.8 109	54.0F	8.1 7.4	137	--	--	7.3 0.32	--	--	0 0.00	67 1.10	--	4.8 0.14	--	--	0.0	--	--	--	52 0				
F82720.00 5/16/66 1345	31	10.5 108	63.0F	7.9 7.4	192	19 0.95	6.4 0.53	11 0.48	1.4 0.04	0 0.00	100 1.64	8.0 0.17	6.8 0.19	0.1 0.00	--	--	0.2	16	119 118	74 0					
F82720.00 7/19/66 1140	10	8.5 94	69.0F	7.7 7.5	208	--	--	12 0.52	--	0 0.00	112 1.84	--	6.2 0.17	--	--	--	0.2	--	--	--	81 0				
F82720.00 9/8/66 1400	5 est.	9.2 88	60.0F	7.7 7.6	216	20 1.00	7.3 0.60	12 0.52	1.5 0.04	0 0.00	114 1.87	6.0 0.12	7.0 0.20	0.1 0.00	--	--	0.5	16	132 126	80 0					
F83080.50 11/12/65 0705	2.86 8.7	9.4 87	54.0F	8.1 7.1	172	--	--	11 0.48	--	--	0 0.00	84 1.38	--	8.2 0.23	--	--	0.2	--	--	--	62 0				
F83080.50 1/14/66 0545	200 est.	11.5 101	50.0F	7.4 7.1	110	--	--	7.0 0.30	--	--	0 0.00	49 0.80	--	5.3 0.15	--	--	0.0	--	--	--	38 0				
F83080.50 3/17/66 0815	4.71 344	11.8 101	48.0F	7.9 7.0	111	--	--	7.5 0.33	--	--	0 0.00	52 0.85	--	4.9 0.14	--	--	0.0	--	--	--	38 0				
F83080.50 5/17/66 0535	28	10.5 100	56.0F	7.9 7.3	149	14 0.70	4.6 0.38	9.7 0.42	0.9 0.02	0 0.00	72 1.18	9.0 0.19	7.5 0.21	0.0 0.00	--	--	0.1	18	104 99	54 0					
F83080.50 7/20/66 0500	2.54 2.0	7.9 83	65.0F	8.1 7.3	168	--	--	11 0.48	--	--	0 0.00	82 1.34	--	7.7 0.22	--	--	0.0	--	--	--	61 0				
F83080.50 9/9/66 0810	2.70 3.4	10.4 91	52.0F	8.1 7.2	176	16 0.80	5.8 0.48	12 0.52	1.3 0.03	0 0.00	84 1.38	5.0 0.10	9.1 0.26	0.3 0.00	--	--	0.2	17	108 108	64 0					

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	G.H. O	DO	TEMP	LAB -PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	TH
F91080.50 RUSSIAN RIVER AT GUERNEVILLE (10)																			
F91080.50 11/9/65 0713	4.02 380	8.5 84	59.0F 84	8.2 7.6	327	--	--	18 0.78	--	0 0.00	154 2.52	--	14 0.39	--	--	0.4	--	129 3	
F91080.50 1/11/66 0700	15.28 8080	11.8 102	48.0F 102	7.8 7.4	197	--	--	6.8 0.30	--	0 0.00	98 1.61	--	4.0 0.11	--	0.2	--	86 6		
F91080.50 3/30/66 0830	6.37 1180	11.6 113	58.0F 113	8.2 7.6	287	--	--	10 0.44	--	0 0.00	157 2.57	--	5.2 0.15	--	0.2	--	131 2		
F91080.50 5/3/66 0800	5.08 610	8.4 83	59.0F 83	7.8 7.6	288	28 1.40	15 1.22	11.1 0.48	1.1 0.03	0 0.00	156 2.56	15 0.31	6.0 0.17	2.0 0.03	0.3	13	162 168 3		
F91080.50 7/12/66 1000	3.76 175	10.1 114	71.0F 114	8.4 8.2	298	--	--	11 0.48	--	4 0.13	157 2.57	--	6.6 0.19	--	0.2	--	137 2		
F91080.50 9/21/66 0700	3.85 212	11.3 123	68.0F 123	8.0 8.2	287	27 1.35	15 1.23	11.4 0.48	1.4 0.04	0 0.00	156 2.56	12 0.25	6.4 0.18	1.0 0.02	0.3	13	167 164 1		
F91500.00 RUSSIAN RIVER NEAR HEALDSBURG (9)																			
F91500.00 11/10/65 1410	0.89 324	11.5 115	60.0F 115	8.4 8.2	257	--	--	8.4 0.37	--	4 0.13	134 2.20	--	4.3 0.12	--	0.5	--	119 3		
F91500.00 1/19/66 0900	2.92 1540	10.9 85	41.0F 85	7.9 7.6	277	--	--	8.2 0.36	--	0 0.00	146 2.39	--	3.8 0.11	--	0.2	--	128 8		
F91500.00 3/8/66 1300	2.81 1280	13.3 119	51.0F 119	8.4 7.6	237	--	--	7.7 0.33	--	3 0.10	122 2.00	--	3.1 0.09	--	0.1	--	109 4		
F91500.00 5/3/66 0945	1.91 487	10.1 104	63.0F 104	8.1 8.0	262	26 1.30	13 1.10	8.8 0.38	1.1 0.03	0 0.00	145 2.38	14 0.29	5.2 0.15	1.5 0.02	0.3	13	154 154 1		
F91500.00 7/12/66 0740	3.46 204	7.9 89	70.0F 89	8.4 7.9	259	--	--	8.2 0.36	--	4 0.13	139 2.28	--	3.8 0.11	--	0.2	--	122 1		
F91500.00 9/23/66 1220	1.24 200	10.4 116	70.0F 116	8.0 8.4	249	25 1.25	13 1.07	8.0 0.35	1.2 0.03	0 0.00	140 2.29	11 0.23	3.2 0.09	0.2 0.00	0.4	13	146 144 1		

TABLE D-2
MINERAL ANALYSES OF SURFACE WATER
CENTRAL COASTAL AREA

STATION NUMBER DATE LAB TIME SAMPLER	G.H. Q	D.O.	TEMP.	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER		
						CA	MG	NA	K	CO3	HC03	S04	CL	NO3	F	B	SI02	TDS
F91765.00 RUSSIAN RIVER NEAR HOPLAND (8a)																		
F91765.00 11/10/65 1215	5.59 335	10.4 106	60.0F 7.6	8.0 7.6	215	--	--	7.2 0.31	--	0 0.00	122 2.00	--	3.4 0.10	--	0.4	--	97 0	
F91765.00 1/12/66 1310	8.52 2860	11.2 99	49.0F 7.0	7.5 7.0	186	--	--	7.0 0.30	--	0 0.00	92 1.51	--	3.4 0.10	--	0.2	--	74 0	
F91765.00 3/8/66 1105	6.50 832	11.0 99	50.0F 7.2	8.2 7.2	189	--	--	7.7 0.33	--	0 0.00	97 1.59	--	3.2 0.09	--	0.2	--	84 4	
F91765.00 5/16/66 0810	3.24	11.2 103	52.0F 7.4	7.8 7.4	188	18 0.90	9.2 0.76	7.0 0.30	1.1 0.03	0 0.00	98 1.61	13 0.27	3.5 0.10	1.5 0.02	0.2	11	119 112 3	
F91765.00 7/12/66 0550	5.18 211	9.1 90	58.0F 7.4	8.3 7.4	187	--	--	6.0 0.26	--	1 0.03	99 1.62	--	2.8 0.08	--	0.1	--	84 1	
F91765.00 9/23/66 1100	2.48	10.0 109	66.0F 7.6	8.0 7.6	193	21 1.05	8.1 0.67	6.6 0.29	0.9 0.02	0 0.00	104 1.70	8.0 0.17	2.4 0.07	0.9 0.01	0.3	13	112 112 1	
F94900.00 RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)																		
F94900.00 11/10/65 0925	150	9.7 91	52.0F 7.7	8.4 7.7	238	--	--	7.1 0.31	--	4 0.13	129 2.11	--	4.3 0.12	--	0.6	--	111 0	
F94900.00 1/12/66 1000	3.52 306	12.0 98	42.0F 7.5	7.7 7.5	124	--	--	5.6 0.24	--	0 0.00	65 1.07	--	2.0 0.06	--	0.1	--	55 2	
F94900.00 3/8/66 0850	3.50 303	12.1 104	46.0F 7.9	8.1 7.9	134	--	--	4.4 0.19	--	0 0.00	70 1.15	--	1.3 0.04	--	0.1	--	61 4	
F94900.00 5/16/66 0845	3.46 297	11.1 104	52.0F 7.5	7.9 7.5	139	17 0.85	4.7 0.39	4.4 0.19	0.9 0.02	0 0.00	74 1.21	7.0 0.15	1.5 0.04	0.3 0.00	0.2	9.2	93 81 1	
F94900.00 7/21/66 1430	2.78 205	11.5 132	70.0F 7.6	8.0 7.6	147	--	--	4.3 0.19	--	0 0.00	80 1.31	--	1.4 0.04	--	0.0	--	66 0	
F94900.00 9/22/66 0930	3.63 323	11.2 122	65.0F 7.7	7.8 7.7	176	22 1.10	6.2 0.51	5.3 0.23	0.7 0.02	0 0.00	98 1.61	8.0 0.17	1.7 0.05	0.2 0.00	0.3	8.0	97 100 0	

TRACE ELEMENT ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

Station	Station Number	Date	Constituents in micrograms per liter																			
			Aluminum (Al)	Beryllium (Be)	Bismuth (Bi)	Cadmium (Cd)	Cobalt (Co)	Chromium (Cr)	Copper (Cu)	Iron (Fe)	Gallium (Ga)	Germanium (Ge)	Manganese (Mn)	Molybdenum (Mo)	Nickel (Ni)	Lead (Pb)	Titanium (Ti)	Vanadium (V)	Zinc (Zn)			
PAJARO RIVER NEAR CHITTENDEN (77)	D11290.00	5-3-66	20	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	19	< 5.7	< 0.29	< 1.4	2.6	6.6	< 1.4	1.2	2.7	< 5.7
PAJARO RIVER NEAR CHITTENDEN (77)	D11290.00	9-15-66	23	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	31	< 5.7	< 0.29	< 1.4	< 0.29	< 0.29	5.1	< 1.4	< 0.57	< 0.29	< 5.7
SALINAS RIVER NEAR SPEDOCCELS (43)	D21230.00	5-12-66	12	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	25	< 5.7	< 0.29	194	4.3	5.4	< 1.4	< 1.4	1.2	< 0.29	< 5.7
SALINAS RIVER NEAR SPEDOCCELS (43)	D21230.00	9-13-66	9.4	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	4.3	66	< 5.7	< 0.29	514	25	8.0	< 1.4	< 0.57	2.3	< 0.29	< 5.7
MAFA RIVER NEAR ST. HELENA (72)	E31500.00	5-6-66	21	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	25	< 5.7	< 0.29	< 1.4	1.0	2.9	< 1.4	< 0.57	1.3	< 0.29	< 5.7
MAFA RIVER NEAR ST. HELENA (72)	E31500.00	9-16-66	5.4	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	81	< 5.7	< 0.29	< 1.4	< 0.29	2.7	< 1.4	< 0.57	0.9	< 0.29	< 5.7
ALAMEDA CREEK NEAR MILES (73)	E51150.00	5-19-66	43	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	31	< 5.7	< 0.29	< 1.4	2.4	2.2	< 1.4	2.3	4.6	< 0.29	< 5.7
ALAMEDA CREEK NEAR MILES (73)	E51150.00	9-22-66	13	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	31	< 5.7	< 0.29	< 1.4	2.6	2.7	< 1.4	< 0.57	7.4	< 0.29	< 5.7
ARROYO DEL VALLE NEAR LIVERMORE (71)	E51400.00	5-20-66	23	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	94	< 5.7	< 0.29	< 1.4	< 0.29	1.9	< 1.4	< 0.57	0.6	< 0.29	< 5.7
ARROYO DEL VALLE NEAR LIVERMORE (71)	E51400.00	9-7-66	POUNDER - NO FLOW																			
COYOTE CREEK NEAR MADRONE (32)	E61450.00	5-11-66	15	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	7.1	10	< 5.7	< 0.29	< 1.4	< 0.29	3.7	< 1.4	0.6	0.5	< 0.29	< 5.7
COYOTE CREEK NEAR MADRONE (32)	E61450.00	9-15-66	DRY																			
RUSSIAN RIVER NEAR GUERNEVILLE (10)	F91080.50	5-3-66	13	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	17	< 5.7	< 0.29	< 1.4	< 0.29	1.8	< 1.4	< 0.57	< 0.29	< 0.29	< 5.7
RUSSIAN RIVER NEAR GUERNEVILLE (10)	F91080.50	9-21-66	6.6	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	19	< 5.7	< 0.29	< 1.4	< 0.29	0.7	< 1.4	< 0.57	1.4	< 0.29	< 5.7

Miscellaneous Constituents in Surface Water

Two of the several column headings in the following tables show:

Turbidity - The values are shown in ppm when they represent parts per million of silica and in Jackson Candle Units when reported as "Units".

MBAS - Methylene blue active substances are a measure of the detergents (ABS and LAS).

TABLE D-4
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER
 CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity		MBAS in mg/l	As in mg/l	PO ₄ in mg/l	Other Constituents
			ppm	units				
San Lorenzo River at Big Trees (75)	D01200.00	10-18-65	1					
		11-9-65	1					
		12-3-65	5					
		1-11-66	15					
		2-14-66	2					
		3-10-66	1					
		4-13-66	2					
		5-3-66	1		0.0	0.00	0.42	
		6-16-66	1					
		7-12-66	2					
		9-13-66	3		0.0	0.00	0.58	
Soquel Creek at Soquel (76)	D03100.00	11-10-65	0					
		1-11-66	2					
		3-18-66	1					
		5-3-66	1		0.0	0.00	0.34	
		7-13-66	5					
		9-7-66	1		0.0	0.00	0.37	
			10					
Pajaro River at Chittenden (77)	D11250.00	10-12-65	10					
		11-18-65	15					
		12-7-65	10					
		1-13-66	20					
		2-11-66	15					
		3-15-66	4					
		4-12-66	10					
		5-3-66	5		0.0	0.00	0.44	
		6-15-66	15					
		7-14-66	10					
		9-15-66	20		0.0	0.00	0.58	
Uvas Creek near Morgan Hill (96)	D11371.50	11-10-65	10					
		1-12-66	30					
		3-2-66	2					
		5-11-66	2		0.0	0.00	0.01	
		7-13-66	5					
9-7-66	3		0.0	0.00	0.05			
San Benito River near Bear Valley Fire Station (77a)	D12450.00	11-2-65	1					
		1-6-66	35					
		3-1-66	30					
		5-9-66	1		0.0	0.00	0.00	
		7-15-66	1					
9-2-66	1		0.0	0.00	0.02			
Salinas River near Spreckels (43)	D21220.00	10-13-65	5					
		11-18-65	60					
		12-7-65	10					
		1-13-66	250					
		2-11-66	180					
		3-15-66	35					
		4-12-66	5					
		5-12-66	3		0.0	0.00	2.6	
		6-15-66	10					
		7-14-66	2					
		9-13-66	2		0.3	0.01	1.4	
Salinas River near Bradley (43c)	D21850.00	10-12-65	2					
		11-2-65	2					
		12-7-65	5					
		1-5-66	75					
		2-11-66	35					
		3-1-66	5					
		4-12-66	1					
		5-10-66	5		0.0	0.00	0.04	
		6-15-66	5					
		7-19-66	3					
		9-1-66	4		0.0	0.00	0.12	
Salinas River at Paso Robles (43a)	D31450.00	12-7-65	2					
		1-5-66	20					
		2-10-66	30					
		3-1-66	4					
		4-12-66	2					
5-10-66	1		0.0	0.00	0.41			
San Antonio River near Fleyto (43a)	D32200.00	11-2-65	0					
		1-5-66	15					
		3-1-66	1					
		5-10-66	1		0.0	0.00	0.17	
		7-19-66	1					

TABLE D-4
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER
 CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity		MBAS in mg/l	As in mg/l	PO ₄ in mg/l	Other Constituents
			ppm	units				
Nacimiento River near San Miguel (43b)	D33520.00	11-2-65	4					
		1-5-66	5					
		3-1-66	1					
		5-10-66	1		0.0	0.00	0.03	
		7-19-66	1					
		9-1-66	3		0.0	0.00	0.17	
Carmel River near Robles del Rio (83)	D41200.00	11-18-65	5					
		1-13-66	1					
		3-15-66	1					
		5-11-66	1		0.0	0.00	0.00	
Napa River at Dutton Landing (72a)	E31100.50	6-3-66	5					
		7-20-66	20					
		9-21-66	5					
Napa River near St. Helena (72)	E31500.00	10-15-65	5					
		11-12-65	5					
		12-13-65	5					
		1-14-66	10					
		2-8-66	5					
		3-4-66	4					
		4-8-66	1					
		5-6-66	1		0.0	0.00	0.79	
		6-10-66	1					
		7-13-66	1					
9-16-66	1		0.0	0.00	0.14			
Alameda Creek near Miles (73)	E51150.00	10-14-65	25					
		11-9-65	40					
		12-10-65	5		0.0			
		1-11-66	5					
		2-14-66	5		0.5			
		3-11-66	15					
		4-13-66	15		0.1			
		5-19-66	40		0.0	0.00	0.53	
		6-17-66	65		0.0			
		7-14-66	15		0.0			
		8-5-66	25		0.0			
9-22-66	5		0.0	0.00	0.70			
Arroyo del Valle near Livermore (71)	E51400.00	10-14-65	0					
		11-4-65	2		0.0			
		12-10-65	2					
		1-14-66	1					
		2-9-66	1					
		3-3-66	2					
		4-13-66	1					
		5-20-66	1		0.0	0.00	0.07	
		6-14-66	1					
		7-20-66	1					
Coyote Creek near Madrone (82)	E64250.00	10-18-65	5					
		11-10-65	4					
		12-8-65	4					
		1-12-66	5					
		2-14-66	5					
		3-2-66	2					
		4-13-66	5					
		5-11-66	5		0.0	0.00	0.03	
		6-16-66	15					
7-14-66	1							
Los Gatos Creek at Los Gatos (74)	E65250.00	10-18-65	15					
		11-9-65	5					
		12-8-65	4					
		1-12-66	35		0.0			
		2-14-66	12					
		3-2-66	25					
		4-13-66	4					
		5-11-66	4		0.0	0.00	0.08	
		6-16-66	65					
		7-13-66	25					
		9-7-66	10		0.0	0.00	0.10	

TABLE D-4
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER
 CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity		MBAS in mg/l	As in mg/l	PO ₄ in mg/l	Other Constituents
			ppm	units				
Gualala River, South Fork, near Annapolis (9a)	F81100.00	11-16-65	15					
		1-19-66	15					
		3-17-66	5					
		5-17-66	1		0.0	0.00	0.10	
		7-20-66	1					
		9-9-66	1		0.0	0.00	0.07	
Navarro River near Navarro (8b)	F82100.00	11-12-65	2					
		1-14-66	50					
		3-17-66	15					
		5-17-66	1		0.0	0.00	0.09	
		7-20-66	1					
Big River near Mouth (8c)	F82720.00	11-11-65	3					
		1-13-66	10					
		3-16-66	35					
		5-16-66	1		0.0	0.00	0.08	
		7-19-66	1					
		9-8-66	1		0.0	0.00	0.06	
Noyo River near Fort Bragg (10c)	F83080.50	11-12-65	15					
		1-14-66	15					
		3-17-66	4					
		5-17-66	1		0.0	0.00	0.09	
		7-20-66	1					
		9-9-66	1		0.0	0.00	0.06	
Russian River at Guerneville (10)	F91080.50	11-9-65	5					
		1-11-66	140					
		3-30-66	3					
		5-3-66	4		0.0	0.00	0.41	
		7-12-66	5					
		9-21-66	5		0.0	0.00	0.66	
Russian River near Healdsburg (9)	F91500.00	11-10-65	3					
		1-19-66	10					
		3-8-66	10					
		5-3-66	1		0.0	0.00	0.06	
		7-12-66	3					
		9-23-66	5		0.0	0.00	0.02	
Russian River near Hopland (8a)	F91765.00	11-10-65	2					
		1-13-66	85					
		3-8-66	30					
		5-16-66	5		0.0	0.00	0.15	
		7-12-66	5					
		9-23-66	2		0.0	0.00	0.15	
Russian River, East Fork, at Potter Valley Powerhouse (10a)	F94900.00	11-10-65	5					
		1-13-66	200					
		3-8-66	80					
		5-16-66	10		0.0	0.00	0.12	
		7-21-66	2					
		9-23-66	1		0.0	0.00	0.01	

TABLE D-5

DESCRIPTION OF SALINITY
OBSERVATION STATIONS

CENTRAL COASTAL AREA

STATIONS	STATION NUMBER	LOCATION
Crockett	E03100.90	West end of Carquinez Strait, south shore, 0.2 mile east of Carquinez Bridge on wharf of C and H Sugar Refinery Corporation.
Martinez	E03300.10	East end of Carquinez Strait, sampled from Shell Oil Company dock, about 0.6 mile downstream from Southern Pacific Company railroad bridge.
Port Chicago	E03200.90	South shore of Suisun Bay at U. S. Naval ammunition loading wharf below Port Chicago.
Middle Point	E03200.00	South shore of Suisun Bay, about 0.5 mile upstream from Middle Point at Allied Chemical Corporation Yard.
Pittsburg	B91070.10	East end of Suisun Bay in New York Slough at Pittsburg Yacht Harbor.
Collinsville	E31110.00	Sacramento River, north bank, at junction with San Joaquin River.

TABLE D-6
 SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*
 Chlorides In Milligrams Per Liter

STATION	February 1966							
	2-2-66	2-6-66	2-10-66	2-14-66	2-18-66	2-22-66	2-26-66	
Crockett	5900	6500	4000	6330	7560	6870		
Martinez					2030a	5370		
Port Chicago	2050	1190	50	1810	3240	1450	108a	
Middle Point	1320	619	33a	104	617	1100	68a	
Pittsburg	38bd	36d	41abd	41d	36	42	40	
Collinsville	15	19	20		24	24a	20	

STATION	March 1966							
	3-2-66	3-6-66	3-10-66	3-14-66	3-18-66	3-22-66	3-26-66	3-30-66
Crockett	7360	8490	8020		6730		7800	5760
Martinez					3820a	3550a	5270	4200
Port Chicago	3250	3140	1670	1730	2030	317	248	158
Middle Point	1980	2050	422a	197ae	908	101	1290	
Pittsburg		39			28		23	22
Collinsville		28		21	14	12	13	15

STATION	April 1966							
	4-2-66	4-6-66	4-10-66	4-14-66	4-18-66	4-22-66	4-26-66	4-30-66
Crockett	8510	8360		5570	10400	8490	8720	9420
Martinez	4950a	5150	2900	1630d		6570	5550	
Port Chicago	1760	2150		468	4360	3680	4320	3820ed
Middle Point	1670	1050	1050	261	3430	2610	2400	
Pittsburg	23	26abd	29	20	48a	46a	153bd	
Collinsville	14			13	17a	15a	83	49a

STATION	May 1966							
	5-2-66	5-6-66	5-10-66	5-14-66	5-18-66	5-22-66	5-26-66	5-30-66
Crockett	10000	11400		9340	9180	11400	9630	
Martinez		5420a			7210		4330ae	8530
Port Chicago	4030	5560	5170	5330	4650	6090	4950	4660
Middle Point		4710		1650a		2320a	3150	4170
Pittsburg	170a	320a	382	217a	126a			348a
Collinsville	65a	437	490	108a	39a	485	258	202a

* Samples taken at four-day intervals approximately one and one-half hours after high tide.
 a Taken after low high tide. d Taken over one hour off scheduled time.
 b Taken on following day. e Taken on preceding day.
 c Taken two days later. f Taken two days earlier.

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

Chlorides In Milligrams Per Liter

STATION	June 1966							
	6-2-66	6-6-66	6-10-66	6-14-66	6-18-66	6-22-66	6-26-66	6-30-66
Crockett	11100	ad10300ad	11600e	10500	13200	13700	12000e	13600
Martinez	5670a		8370a	10500	11900		8850a	
Port Chicago	6550	6870	5490e	8300	9830	9400	8120e	10700
Middle Point		5960	4760e	6850	6220		5920a	
Pittsburg	511a	581a	810a	1150abd	1370a		2170a	
Collinsville	467a	1260	889a	703a		2940		1980a
STATION	July 1966							
	7-2-66	7-6-66	7-10-66	7-14-66	7-18-66	7-22-66	7-26-66	7-30-66
Crockett	14200		12300e	12500e	14800	13700	14300e	15100
Martinez								
Port Chicago	9750	8540	7430e	10400	7770a	8460	9210e	9230
Middle Point				2620	9450		6570e	9750
Pittsburg	2030a			2280a		2880a	2530ad	2360a
Collinsville	a1990a	3170	2200a		2630e	3240a	2220a	
STATION	August 1966							
	8-2-66	8-6-66	8-10-66	8-14-66	8-18-66	8-22-66	8-26-66	8-30-66
Crockett		14000	13700e	15300	14100	13300	13200e	
Martinez					12000			
Port Chicago	9700		7450a		9200	8700	9250	8950
Middle Point	8380d	7180	9430e	10100	7800d	7850		7080
Pittsburg	2240a	2550a	2600ad	2190a	1870a		1740a	1910
Collinsville	3900	2510a	2300a		2860	1930a	1760a	
STATION	September 1966							
	9-2-66	9-6-66	9-10-66	9-14-66	9-18-66	9-22-66	9-26-66	9-30-66
Crockett	12600	13700	12100e	12100	12900	10900e	10900	14200
Martinez					6760bd	9400e	7760	9570a
Port Chicago	7100	8300		7180	7320	6500e	6670	7240
Middle Point	6380	6700	5410e					
Pittsburg	1300a	1280bd	860a	942a	845a	1180a		1180
Collinsville	1580	1190a		688a	755a	833a	724a	952a

* Samples taken at four-day intervals approximately one and one-half hours after high tide.

a Taken after low high tide.

b Taken on following day.

c Taken two days later.

d Taken over one hour off scheduled time.

e Taken on preceding day.

f Taken two days earlier.

TABLE D-7
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Dissolved Temp in °F	Dissolved Oxygen		Specific Conductance (micromhos at 25°C) Field Lab	pH Field Lab	Secchi Disk (Feet)	* Turbidity Field Lab	Suspended Solids mg/l	Other Constituents and Remarks	Nutrients -----mg/l							
				mg/l	% Sat							Nitrate (NO ₃) (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphorus (PO ₄)	Total Phosphorus (PO ₄)		
SAN LORENZO RIVER AT BIG TREES (75)	D01200-00	11-9-65 0915	84	49	11.6	102	379	8.0	1			0.02	0.00	0.2	0.2	0.55	0.55		
		1-11-66 1300	180	48	11.9	103	333	8.0	15			0.04	0.00	0.2	0.2	0.32	0.49	0.50	
		3-10-66 0930	80	50	11.8	105	373	7.6	1			0.10	0.00	0.0	0.1	0.33	0.36	0.36	
		5-3-66 0855	31	58	10.2	101	303	7.6	1			0.00	0.00	0.2	0.5	0.46	0.49	0.51	
		7-12-66 0950	16	60	10.6	107	372	7.2	2	10		0.00	0.00	0.1	0.5	0.50	0.54	0.56	
		1-11-66 0900		44	10.1	82	7.6	1.0				0.04	0.01	0.2	0.0	0.08	0.08	0.15	
		3-10-66 0855		49	10.4	90	8.4	3.5				0.00	0.00	0.2	0.0	0.06	0.07	0.13	
		5-3-66 0600		59	10.4	103	8.5					0.00	0.00	0.1	0.7	0.03	0.05	0.10	
		7-12-66 0645		58			8.4	2.5			5		0.00	0.00	0.1	0.2	0.06	0.11	0.18
		9-13-66 0710		57			8.6	3.0			2		0.00	0.01	0.1	0.0	0.13	0.13	0.14
PAJARO RIVER AT CHITTENDEN (77)	D11250-00	11-18-65 1255	37	59	4.5	44	1370	7.6	15			0.07	0.06	1.4	0.9	0.32	0.51	0.67	
		1-13-66 1400	80	49	10.1	88	1050	8.3	20			0.27	0.05	3.8	1.3	0.60	0.67	0.80	
		3-15-66 1115	26	59	11.5	113	1330	7.6	1			0.00	0.04	4.4	1.0	0.13	0.13	0.26	
		5-3-66 1210	19	63	9.8	91	1330	8.0	5			0.00	0.07	3.4	0.8	0.45	0.48	0.53	
		7-14-66 0730	4.5	63	8.9	92	1550	7.7	10	33		0.00	0.02	0.4	1.0	0.99	1.2	1.3	
		9-15-66 1000	0.2	63	9.2	84	3000	7.6	20	25		0.05	0.02	0.5	0.9	0.86	0.93	0.95	

* Lab Turbidity is given in parts per million of silica.

TABLE D-7
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge Temp in cts in °F	Dissolved Oxygen mg/l % Sat	Specific Conductance at 25°C		Secchi Disk (Feet)	Turbidity Field Lab	Turbidity Suspended Solids mg/l	Nutrients ----- mg/l						
					Field Lab	pH Field Lab				Nitrate (NO ₃) (N)	Nitrite (N)	Nitrogen (N)	Ortho-phosphates (PO ₄)	Total Organic Phosphates (PO ₄)	Total Phosphorus (PO ₄)	
SALINAS RIVER NEAR SPRECKELS (43)	D21200.00	11-19-65 1200	73	2.5	27	655	7.4	70		7.2	0.05	0.3	4.8	0.96	1.8	2.3
		1-13-66 1130	110	8.6	78	770	7.1	250		0.30	0.60	0.9	1.0	1.8	2.2	2.4
		3-15-66 0915	7.7	7.0	62	1230	7.4	35		4.2	0.13	1.5	0.9	6.7	9.3	10
		5-12-66 0800	18	2.7	28	1040	7.5	73		5.2	0.09	0.6	1.0	2.4	2.3	3.0
		7-14-66 0600	0.9	5.9	52	1120	7.3	7	14	3.3	0.01	4.6	3.3	43	61	73
		9-13-66 0930	2.0	3.2	33	1240	7.3	7	12	11	2.2	12	3.7	48	50	50
		12-1-65 1120	48	6.9	59	713	7.3		74	0.75	0.09	0.6	0.4	0.32	0.34	0.49
		1-27-66 1130	46	9.1	76	713	7.3	1.3	26	0.29		1.5	0.6	0.37	0.45	0.55
		3-30-66 1300	60	8.9	89	7070	7.2	0.5		0.68	0.05	1.1	0.3	0.84	0.95	1.1
		6-3-66 0900	63	9.3	101	17200	7.3	1.0		0.47	0.09	0.4	0.0	0.56	0.70	1.0
ALAMEDA CREEK NEAR MILES (73)	E51150.00	7-20-66 1100	64	9.1	95	27000	7.2	20		3.00	0.00	0.2	1.4	0.96	1.6	1.6
		9-21-66 1200	70	8.3	92	31000	8.1	70		0.13	0.04	0.4	0.2	0.27	0.27	0.46
		11-9-65 1245	49	10.3	102	579	8.0	40		0.46	0.10	1.1	0.5	1.9	1.9	
		1-11-66 1410	15	8.2	74	744	8.3	73		0.03	0.02	0.9	0.3	0.68	0.83	1.1
		3-11-66 1100	28	10.5	97	866	8.4	73		0.07	0.07	1.5	1.0	2.3	2.6	2.9
		5-19-66 1040	47	10.0	105	460	8.0	70		0.01	0.00	0.2	0.5	0.96	0.64	0.73
		7-14-66 0700	24	9.0	55	307	7.9	75	41	0.01	0.00	0.4	0.4	1.5	1.9	1.9
		9-22-66 1000	27	9.1	96	645	8.2	75	16	0.01	0.00	0.1	0.5	0.71	0.71	0.80

* Lab turbidity is given in parts per million of siltion.

TABLE D-7
NUTRIENTS IN SURFACE WATER
CENTRAL COASTAL AREA

Station	Station Number	Date and time of sampling P.S.T.	Discharge Temp in cfs	Dissolved Oxygen mg/l	Specific Conductance (micromhos at 25°C) L/LOB	pH Field L/LOB	Secchi Disk (Feet)	Turbidity Field L/LOB	Other Constituents and Remarks	Nutrients ----- mg/l								
										(NO ₃)	Ammonium (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO ₄)	Total Phosphate (PO ₄)	Total Organic Phosphorus (PO ₄)	
RUSKIN RIVER AT GURENEVILLE (10)	F91080.50	11-9-65 0713	380	8.5	327	7.6 8.2		75			1.1	0.06	0.4	0.5	3.1	3.2		
		1-11-66 0700	8080	11.8	102	7.4 7.8		105			0.03	0.00	0.6	0.4	0.44	0.73	0.82	
		3-30-66 0830	1100	11.6	113	7.6 8.2		73			0.03	0.02	0.5	0.5	0.86	0.32	0.37	
		5-2-66 0800	610	8.4	83	7.6 7.8		71			0.09	0.02	0.4	0.3	0.44	0.47	0.50	
		7-12-66 1000	175	10.2	118	8.2 8.4		73			0.00	0.00	0.0	0.4	0.46	0.70	0.70	
		9-21-66 0700	212	11.3	123	8.2 8.0		73			0.06	0.02	0.2	0.2	0.57	0.60	0.64	

* Lab turbidity is given in parts per million of silicon.

Pesticides in Surface Water and Sediment

Abbreviations used in the following table include:

- BHC - Benzene hexachloride
- DDD - Dichloro diphenyl dichloroethane
- ppDDD - Para para isomer of dichloro diphenyl dichloroethane
- DDE - Dichloro diphenyl ethane
- ppDDE - Para para isomer of dichloro diphenyl ethane
- DDT - Dichloro diphenyl trichloroethane
- ppDDT - Para para isomer of dichloro diphenyl trichloroethane

Where two pesticides are reported together with a slash mark separating them (ppDDE/Dieldrin, Simazine/Atrazine, etc.), the reported concentration is an undifferentiated total of the two. Either of the two pesticides could make up the entire total.

TABLE D-8
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	11-9-65 ^a 0915	84	379	$\frac{8.0}{8.3}$	BHC = 1 Lindane = 1	Heptachlor Epoxide = 0.8 Dieldrin = 0.9 ppDDD = 1.4
		1-11-66 1300	180	333	$\frac{8.0}{8.1}$	No chlorinated pesticides detected	Heptachlor Epoxide = 0.4 ppDDD = 1.7 ppDDT = 1.8
		3-10-66 0930	80	373	$\frac{7.6}{7.3}$	No chlorinated pesticides detected	ppDDD = 3.9 Unknown chlorinated compounds as DDT = 23
		5-3-66 0825	31	363	$\frac{7.6}{5.0}$	4 unknowns as DDT = 9 Kelthane like = 7	ppDDD = 3.0 Unknown chlorinated compounds as DDT = 29
		7-12-66 0950	16	372	$\frac{7.2}{8.4}$	No chlorinated pesticides detected	Dieldrin = 0.6 ppDDD = 2.4 ppDDT = 0.5 Unknown chlorinated compounds as DDT = 22
		9-13-66 1110	11	363	$\frac{7.9}{8.1}$	No chlorinated pesticides detected	Dieldrin = 33 ppDDD = 29 Complex chlorinated compounds as DDT = 700
		MONTEREY BAY AT SANTA CRUZ (120)	D0PR61.52	11-9-65 ^a 0645			$\frac{6.0}{8.0}$
1-11-66 0900					$\frac{7.6}{8.4}$	No chlorinated pesticides detected	
3-10-66 0655					$\frac{8.4}{8.5}$	No chlorinated pesticides detected	
5-3-66 0600					$\frac{8.5}{8.4}$	3 unknowns as DDT = 6 Kelthane like = 7	
7-12-66 0645				52100	$\frac{8.4}{8.6}$	No chlorinated pesticides detected	
9-13-66 0710				52100	$\frac{8.6}{8.6}$	No chlorinated pesticides detected	
PAJARO RIVER AT CHITTENDEN (77)	D11250.00			11-18-65 ^a 1255	37	1270	$\frac{7.6}{8.3}$
		1-13-66 1400	80	1090	$\frac{8.6}{8.3}$	No chlorinated pesticides detected	ppDDE = 1.0 Dieldrin = 1.0 ppDDD = 2.4
		3-15-66 1115	26	1330	$\frac{7.6}{8.3}$	BHC = 55	Unknown chlorinated compounds as DDT = 35
		5-3-66 1210	19	1350	$\frac{8.0}{8.4}$	Unknown as DDT = 14 BHC like = 17 Unknown as DDT = 6 Kelthane = 10 Heptachlor Epoxide = 11 Unknown as DDT = 7 Endrin = 11 Unknown as DDT = 11	ppDDE/Dieldrin = 2.0 ppDDD = 5.0 Unknown chlorinated compounds as DDT = 46
		7-14-66 0730	4.5	1550	$\frac{7.7}{8.3}$	Simazine/Atrazine = 31 Heptachlor = 4 Unknown as DDT = 42 ppDDD = 3	ppDDD = 7.6 Chlorinated compounds as DDT = 29
		9-15-66 1000	0.2	2060	$\frac{7.6}{8.3}$	BHC = 3 ppDDD = 3	DDD = 5.5

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.
a Samples were analyzed by the Department of Water Resources using a gas chromatograph with an electron capture detector.

TABLE D-8
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)		
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	11-16-65 ^a 1200	73	655	<u>7.4</u> 8.5	BHC, Lindane = 15 Heptachlor Epoxide = 4 Dieldrin = 5 ppDDD = 3	Kelthane = 1.7 Heptachlor Epoxide = 2.1 ppDDE/Dieldrin = 1.7 ppDDD = 21		
		1-13-66 1130	110	770	<u>7.1</u> 8.4	No chlorinated pesticides detected	Kelthane = 2.2 Heptachlor Epoxide = 2.1 ppDDE/Dieldrin = 15 ppDDD = 15		
		3-15-66 0915	7.7	1230	<u>7.4</u> 7.4	BHC = 20 Dieldrin = 10 ppDDT = 10	ppDDE/Dieldrin = 7.0 ppDDD = 13 Unknown chlorinated compounds as DDT = 248		
		5-12-66 0800	18	1040	<u>7.5</u> 7.3	Unknown as DDT = 14 BHC like = 9 2 unknowns as DDT = 12 Heptachlor Epoxide = 3 Dieldrin = 8 ppDDT = 12	ppDDE/Dieldrin = 6.0 ppDDD = 7.0 Unknown chlorinated compounds as DDT = 31		
		7-14-66 0500	0.9	1120	<u>7.3</u> 7.3	Lindane = 236 Heptachlor = 100 Dieldrin = 33 ppDDT = 74	Chlorinated compounds as DDT = 143 ppDDE/Dieldrin = 8.5 Toxaphene = 103		
		9-13-66 0930	2.0	1240	<u>7.3</u> 7.3	Lindane = 175 Heptachlor = 310 Heptachlor Epoxide = 65 Dieldrin = 80 Unknown as DDT = 61	Dieldrin = 62 ppDDD = 105 Complex chlorinated compounds as DDT = 1800		
		NAPA RIVER AT DUTTON LANDING (72e)	E31100.50	12-1-65 ^b 1120		13500	<u>7.3</u>	Unknown peak = trace Unknown peak = trace Lindane = 10 Heptachlor Epoxide = trace DDE = 35 DDT = 40	Unknown peak = 22 Lindane = 6.5 Heptachlor Epoxide = 14 DDE = 36 DDT = 75
				1-27-66 ^b 1130		5300	<u>7.3</u>	Unknown peak = trace Lindane = trace Heptachlor Epoxide = 10 DDE = trace Unknown peak = 25 DDT = 40	Unknown peak = 11 Lindane = 17 Heptachlor Epoxide = 20 DDE = 22 DDT = 30 DDT = 49 Dieldrin = 4.0
				3-30-66 1300		7070	<u>7.9</u>	BHC = 5	Kelthane = 1.0 ppDDE/Dieldrin = 14 ppDDD = 23 Unknown chlorinated compounds as DDT = 275
				6-3-66 0900		17200	<u>7.8</u> 8.6	BHC = 9 Dieldrin = 3	ppDDT = 8.0 Toxaphene = 265
		7-20-66 1100		27000	<u>7.9</u> 7.3	Complex chlorinated compounds as DDT = 530	ppDDE/Dieldrin = 6.1 Toxaphene = 220		
		9-21-66 1200		29700	<u>8.1</u>	BHC like = 9	Complex chlorinated compounds as DDT = 110		

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

^a Samples were analyzed by the Department of Water Resources using a gas chromatograph with an electron capture detector.

^b Samples were analyzed for pesticides by Stoner Laboratory using a gas chromatograph with a microcoulometric detector.

TABLE D-8
PESTICIDES IN SURFACE WATER AND SEDIMENT
CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
ALAMEDA CREEK NEAR NILES (73)	E51150.00	11-9-65 ^a 1245	49	579	8.0 3.0	BHC = 1 Lindane = 1 Dieldrin = 1 ppDDD = 3	Kelthane = 3.1 Heptachlor Epoxide = 2.8 Dieldrin = 2.2 ppDDD = 7.9 ppDDT = 8.9
		1-11-66 1410	15	744	8.3 3.5	No chlorinated pesticides detected	BHC = 1.4 Kelthane = 0.8 ppDDD = 3.7 ppDDT = 5.1
		3-11-66 1100	28	866	8.2 3.4	BHC = 15 ppDDD = 15	Heptachlor Epoxide = 1.3 ppDDE/Dieldrin = 10 ppDDD = 14 ppDDT = 2.5 Unknown chlorinated compounds as DDT = 60
		5-19-66 1040	47	460	8.0 3.3	BHC like = 4 Dieldrin like = 3 ppDDD = 7	BHC like = 0.9 Kelthane = 0.6 DDE/Dieldrin = 3.6 Unknown chlorinated compounds as DDT = 57
		7-14-66 0700	24	543	7.9 3.6	BHC = 3 Dieldrin = 2 ppDDD = 3	Toxaphene like = 21
		9-22-66 1000	27	645	8.2 3.5	BHC like = 3	
		11-9-65 ^a 0713	380	327	7.6 3.3	Lindane = 1 BHC = 1 ppDDD = 2	Kelthane = 2.9 Heptachlor Epoxide = 3.2 Dieldrin = 3.6 ppDDD = 5.1 ppDDT = 4.9
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	1-11-66 0700	8080	197	7.4 3.3	No chlorinated pesticides detected	Dieldrin = 0.4 Heptachlor Epoxide = 0.5 ppDDD = 1.4 ppDDT = 2.3
		3-30-66 0530	1180	287	7.6 3.2	BHC = 20	Dieldrin = 1.0 ppDDD = 2.0 Unknown chlorinated compounds as DDT = 14
		5-3-66 0800	610	288	7.6 3.8	4 unknowns as DDT = 11 Kelthane like = 9 Unknown as DDT = 4	ppDDE/Dieldrin = 1.0 ppDDD = 3.0 Unknown chlorinated compounds as DDT = 18
		7-12-66 1000	175	298	8.2 3.4	No chlorinated pesticides detected	ppDDD = 1.1 Unknown chlorinated compounds as DDT = 29
		9-21-66 0700	212	287	8.2 3.6	BHC like = 3	No chlorinated pesticides detected

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.
a Samples were analyzed by the Department of Water Resources using a gas chromatograph with an electron capture detector.

Appendix E
GROUND WATER QUALITY

INTRODUCTION

Ground water quality data collected during the period from October 1, 1965 through September 30, 1966 are presented in this appendix. The data were collected from a number of major ground water sources in the Central Coastal Area in cooperation with other state, local, and federal agencies. During the 1966 water year, 416 wells were sampled in 18 ground water basins and subbasins.

Some temperature measurements and comments on sampling conditions are available in the files of the Department.

Laboratory analyses of ground water were performed in accordance with Standard Methods for the Examination of Water and Waste Water, 12th Edition, published by American Public Health Association, Inc., in 1965.

The Region and Basin, and the State Well Numbering Systems are described in Appendix C, "Ground Water Measurement".

Total hardness (TH) represents the sum of the concentrations of calcium and magnesium ions expressed as milligrams per liter of calcium carbonate. Noncarbonate hardness (NCH) represents any excess of total hardness over the total alkalinity. The lower number representing total dissolved solids (TDS) is a summation of constituents and the upper number is the result of a gravimetric analysis. Specific electrical conductance (EC) of a solution is an expression of the reciprocal ohms per centimeter multiplied by 100,000. The value is determined at 25°C, or corrected to this temperature.

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER				MILLIGRAMS PER LITER				SUM	TM	NCH
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	S102			
NORTH COASTAL REGION (No. 1)																		
UKIAH VALLEY (1-15)																		
14N/12*-05K01 M 09/14/66 1545	--	--	613	--	--	--	--	--	--	--	--	--	--	--	--	0.7	--	--
14N/12*-11K01 M 09/14/66 1515	--	8.1	288	23	20	9.2	--	0.0	123	--	8.5	--	0.1	--	--	0.1	--	139
14N/12*-26K01 M 09/15/66 1320	--	--	402	--	--	--	--	--	2.02	--	.24	--	--	--	2.0	--	--	38
15N/12*-16E01 M 09/14/66 1430	--	8.0	282	30	15	9.6	--	0.0	151	--	8.5	--	0.2	--	--	0.2	--	138
15N/12*-21K01 M 09/16/66 0730	--	--	294	--	--	--	--	--	2.48	--	.24	--	--	--	0.7	--	--	14
15N/12*-35001 M 09/14/66 1445	--	--	418	--	--	--	--	--	--	--	--	--	--	--	0.2	--	--	--
16N/12*-05001 M 10/14/66 1345	--	7.4	374	26	20	23	--	0.0	177	--	27	--	0.0	--	--	0.0	--	148
16N/12*-05002 M 09/14/66 1345	--	--	359	--	--	--	--	--	2.90	--	.76	--	--	--	--	0.0	--	3
16N/12*-09001 M 09/15/66 1245	--	--	417	--	--	--	--	--	--	--	16	--	0.0	--	--	0.0	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAB FLU	EC LAB FLU	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLEQUIVALENT PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER		
			CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS SUM	TH NCH			
17N/12W-28M01 M 10/14/66 1300	7.1	207	18 .90	12 .99	1.0 .44	--	0.0	79 1.30	--	5.6 .24	--	0.0	--	--	95 30				
SAMUEL VALLEY (1-16)																			
12N/11W-02F01 M 09/15/66 1415	--	439	--	--	--	--	--	--	--	--	--	0.4	--	--	--				
13N/11W-07001 M 09/15/66 1600	8.1	248	20 1.00	18 1.48	8.4 .37	--	0.0	137 2.25	--	5.0 .14	--	0.2	--	125 13					
13N/11W-19N01 M 09/15/66 1445	--	320	--	--	--	--	--	--	--	--	--	0.3	--	--					
13N/11W-30M01 M 09/15/66 1400	6.7	373	32 1.60	21 1.73	1.0 .44	--	0.0	180 2.95	--	8.4 .24	--	0.2	--	168 21					
ALEXANDER VALLEY (1-17)																			
09N/08W-07J01 M 09/07/66 094J	--	633	--	--	145 6.31	--	--	--	--	--	--	0.4	--	--					
09N/09W-01P01 M 09/07/66 0900	8.6	420	35 1.75	20 2.30	9.2 .40	--	12 .40	182 2.98	--	4.0 .23	--	0.1	--	205 36					
10N/09W-26L01 M 09/07/66 0830	8.7	566	32 1.60	53 4.36	12 .52	--	17 .57	282 4.62	--	9.7 .27	--	0.1	--	299 40					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLE	PH LAB FLD	TEMP LAB FLD	CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	MILLIGRAMS PER LITER					
												F	B	S102	TDS		
													MILLIEQUIVALENT PER LITER				
													PERCENT REACTANCE VALUE				
11N/10W-28N01 09/06/66 1315	--	--	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--	--
11N/10W-33G01 09/06/66 1410	7.7	185	14 .70	8.3 .09	14 .70	--	0.0	51 .84	--	20 .56	--	--	0.0	--	--	69	27
SANTA ROSA VALLEY (1-18)																	
05N/09W-03F01 09/07/66 1410	--	--	--	--	4.4	3.1	--	--	--	--	--	--	0.5	--	--	--	--
06N/07W-17E02 09/08/66 0450	--	--	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--	--
06N/07W-18H01 09/08/66 0900	--	--	--	--	--	--	--	--	--	--	--	15	--	--	--	--	--
06N/08W-03B01 09/08/66 0830	--	--	--	--	--	--	--	--	--	--	14	23	--	--	--	--	--
07N/06W-29P01 09/08/66 1140	--	--	--	--	17	74	--	--	--	--	--	--	--	--	--	--	--
07N/07W-15C01 09/08/66 1105	8.1	257	16 .80	12 .99	23 1.00	--	0.0	150 2.46	--	7.5 .21	--	--	0.0	--	--	91	0
07N/08W-03L01 09/07/66 1150	--	--	--	--	61	73	--	--	--	--	--	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAH FLU	EC LAM FLU	CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				TH
							CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	S102	
07N/08W-05001 M 09/07/66 1230	7.7	521	28 1.40	27 2.22	31 1.35	--	0.0	154 2.53	--	70 1.97	--	0.0	--	183 57	
07N/08W-18001 M 09/07/66 1610	--	584	--	--	64 2.74	--	--	--	--	--	--	0.4	--	--	
07N/08W-30001 M 09/07/66 1530	8.6	891	57 2.84	46 3.95	52 2.25	--	12 .60	200 3.28	--	105 2.96	--	0.1	--	342 158	
07N/09W-19001 M 09/16/66 1300	8.1	153	11 .55	6.7 .55	15 .65	--	0.0	64 1.05	--	13 .37	--	0.0	--	55 3	
07N/09W-36001 M 09/17/66 1500	--	405	--	--	41 1.74	--	--	--	--	--	--	0.1	--	--	
08N/08W-20001 M 09/07/66 1050	8.4	494	21 1.05	23 1.89	47 2.04	--	2.0 .07	210 3.44	--	40 1.13	--	0.1	--	148 0	
09N/10W-11001 M 09/16/66 1445	8.3	208	13 .65	12 .99	14 .74	--	0.0	116 1.90	--	50 1.41	--	0.0	--	80 0	

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	TEMP	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SI0 ₂	TDS	TH
SAN FRANCISCO BAY REGION (No. 2)																	
PETALUMA VALLEY (2-1, 00)																	
03N/06W-01U01 M 11/19/65	--	--	1340	--	--	220	--	--	--	--	141	--	--	--	--	--	--
						9.57					3.98						
03N/06W-01U01 M 05/31/66 161U	--	--	1310	--	--	172	--	--	--	--	139	--	--	--	--	--	--
						7.44					3.92						
03N/06W-01U01 M 09/29/66 183U	--	--	1320	--	--	--	--	--	--	--	145	--	--	--	--	--	--
						--					4.09						
03N/06W-03C01 M 11/18/65	--	--	4400	--	--	--	--	--	--	--	1140	--	--	--	--	--	--
						--					32.15						
03N/06W-03C01 M 06/31/66 131U	--	--	3930	--	--	375	--	--	--	--	1020	--	--	0.0	--	--	--
						16.44					28.76						
03N/06W-03C01 M 09/29/66 1805	--	--	4190	--	--	--	--	--	--	--	1110	--	--	--	--	--	--
						--					31.30						
03N/06W-11U01 M 11/18/65	--	--	2080	--	--	--	--	--	--	--	364	--	--	--	--	--	--
						--					10.26						
03N/06W-11U01 M 05/31/66 151U	--	--	2000	--	--	334	--	--	--	--	363	--	--	--	--	--	--
						14.53					10.24						
03N/06W-11U01 M 09/28/66 190U	--	--	2100	--	--	--	--	--	--	--	387	--	--	--	--	--	--
						--					10.91						

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLD	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER TDS SUM								
				MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102	TH	NCH										
03N/06W-15M01 M 09/16/66 0935	--	--	422	--	--	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
03N/06W-18M01 M 04/21/66 1125	--	7.1	688	42	44	33	--	0.0	172	--	47	--	--	0.0	--	--	0.0	--	--	--	--	--	--	286	145	
03N/06W-18M01 M 09/06/66 0850	--	--	650	--	--	--	--	--	--	--	52	51	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03N/07W-14F01 M 04/21/66 1145	--	--	684	--	--	--	--	--	--	--	96	--	--	--	--	96	--	--	--	--	--	--	--	--	--	--
03N/07W-14F01 M 09/06/66 0905	--	--	657	--	--	--	--	--	--	--	66	--	--	--	--	66	--	0.5	--	--	--	--	--	--	--	--
04N/06W-07H01 M 11/18/65	--	--	1130	--	--	--	--	--	--	--	43	--	--	--	--	43	--	--	--	--	--	--	--	--	--	--
04N/06W-07H01 M 06/01/66 1520	--	8.5	1120	56	72	91	--	21	556	--	48	--	--	7.0	9.12	1.35	--	--	--	--	--	--	1.7	--	--	436
04N/06W-07H01 M 09/28/66 1820	--	--	1230	--	--	--	--	--	--	--	55	--	--	--	--	55	--	--	--	--	--	--	--	--	--	--
04N/06W-07H02 M 11/18/65	--	--	3870	--	--	664	--	--	--	--	794	--	--	--	22.39	1.55	--	--	--	--	--	--	3.1	--	--	--
04N/06W-07H02 M 06/01/66 1530	--	--	4110	--	--	705	--	--	--	--	498	--	--	--	25.32	30.71	--	--	--	--	--	--	2.8	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP LAH FLD	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS SUM	TH NCH	
04N/06W-07H02 M 09/28/66 1830	--	--	3970	--	--	--	--	--	--	--	--	672	24.59	--	--	--	--	--
04N/06W-21U01 M 11/18/65	--	--	1180	--	20%	8.9%	--	--	--	--	--	174	4.91	--	1.2	--	--	--
04N/06W-21U01 M 06/01/66 1445	--	--	953	--	182	7.92	--	--	--	--	--	104	2.93	--	0.6	--	--	--
04N/06W-21U01 M 09/16/66 1045	--	--	943	--	--	--	--	--	--	--	--	101	2.85	--	--	--	--	--
04N/06W-27H01 M 11/19/65	--	--	672	--	--	--	--	--	--	--	--	40	1.13	--	0.1	--	--	--
04N/06W-27H01 M 06/01/66 1430	--	8.0	892	4.5	49	63	--	0.0	315	--	5.17	113	3.19	--	0.0	--	--	315 57
04N/06W-33R01 M 11/19/65	--	--	10600	--	--	--	--	--	--	--	--	3270	92.21	--	--	--	--	--
04N/06W-33R01 M 06/01/66 1340	--	8.1	5810	270	312	400	--	0.0	509	--	8.35	1690	47.66	--	0.2	--	--	1960 1544
04N/06W-33R01 M 09/16/66 1030	--	--	7900	--	--	--	--	--	--	--	--	2440	68.81	--	--	--	--	--
04N/07W-02U01 M 11/14/65	--	--	26900	--	--	--	--	--	--	--	--	10200	287.64	--	0.6	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLE	TEMP	PH LAH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
				CA	MG	NA	K	CU3	HC03	50+	CL	NO3	F	H	S102	TDS SUM	TH NCH	
05N/06W-30001 M 11/14/65	--	--	894	--	--	--	--	--	--	--	71	2.00	--	--	0.7	--	--	--
05N/06W-30001 M 09/16/66 1130	--	--	817	--	--	--	--	--	--	--	62	1.75	--	--	--	--	--	--
05N/07W-08003 M 11/14/65	--	--	874	--	--	--	--	--	--	--	109	3.07	--	--	--	--	--	--
05N/07W-20L03 M 11/14/65	--	--	1560	--	--	9.4	--	--	--	--	289	8.15	--	--	--	--	--	--
05N/07W-20L03 M 06/02/66 1415	--	7.7	1510	162	25	100	--	0.0	239	--	277	7.81	--	--	0.0	--	--	507
05N/07W-20L03 M 09/28/66 0645	--	--	1490	--	--	--	--	--	--	--	271	7.64	--	--	--	--	--	--
05N/07W-26E01 M 06/02/66 1345	--	--	658	--	--	60	--	--	--	--	41	1.16	--	--	--	--	--	--
05N/07W-34E02 M 11/14/65	--	--	891	--	--	--	--	--	--	--	67	1.89	--	--	--	--	--	--
05N/07W-34E02 M 06/02/66 1315	--	8.8	868	3.0	3.8	192	--	17	364	--	66	1.86	--	--	0.1	--	--	23
05N/07W-34E02 M 09/28/66 3705	--	--	870	--	--	--	--	--	57	5.97	41	1.16	--	--	--	--	--	0

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB SAMPLED TIME	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SIO ₂	TDS SUM	TH NCH
05N/07w-35K01 M 11/15/65	--	--	649	--	--	--	--	--	--	43 1.21	--	--	--	--	--	--	--
05N/07w-35K01 M 06/02/66 1530	--	--	654	--	--	--	--	--	--	44 1.24	--	--	--	--	--	--	--
05N/07w-35K01 M 09/28/66 0725	--	--	681	--	--	--	--	--	--	52 1.47	--	--	--	--	--	--	--
NAPA VALLEY (2-2.01)																	
03N/03w-18G01 M 04/21/66 0900	--	--	1080	--	--	105 4.57	--	--	--	142 4.00	10 .16	--	0.2	--	--	--	--
03N/03w-18G01 M 09/20/66 1230	--	--	1100	--	--	--	--	--	--	142 4.00	--	--	--	--	--	--	--
03N/03w-18G02 M 04/21/66 0915	--	8.2	1270	181 9.03	4.9 .40	121 5.25	--	0.0 6.68	395	127 3.58	67 1.08	--	0.1	--	--	472 148	--
03N/03w-18G02 M 09/20/66 1240	--	--	1350	--	--	--	--	--	--	154 4.34	--	--	--	--	--	--	--
04N/04w-02L01 M 04/20/66 1510	--	--	606	--	--	--	--	--	--	110 3.10	--	--	0.2	--	--	--	--
04N/04w-02L01 M 09/20/66 0940	--	--	609	--	--	--	--	--	--	98 2.76	--	--	--	--	--	--	--

TABLE B-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME LAH SAMPLER	TEMP	PH LAH FLU	EC LAH FLD	CA	MG	NA	K	MILLIGRAMS PER LITER										MILLIGRAMS PER LITER TDS SUM	TH NCH	
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SI0 ₂	TH	NCH			
04N/04W-05C01 M 04/20/66 1050	--	7.5	284	9.4 .47	5.2 .43	4.5 2.00	--	0.0	87	--	26	2.0	26	2.0	--	0.0	--	--	45	0
04N/04W-05C01 M 09/20/66 083U	--	--	303	--	--	--	--	--	--	--	28	.79	--	--	--	--	--	--	--	--
04N/04W-05D02 M 04/20/66 103U	--	--	761	--	--	--	--	--	--	--	105	2.96	--	--	--	--	--	--	--	--
04N/04W-05D02 M 09/19/66 132U	--	--	778	--	--	--	--	--	--	--	100	2.82	--	--	--	--	--	--	--	--
04N/04W-07A01 M 04/20/66 101U	--	--	814	--	--	--	--	--	--	--	191	5.39	--	--	--	0.0	--	--	--	--
04N/04W-07A01 M 09/19/66 134U	--	--	833	--	--	--	--	--	--	--	189	5.33	--	--	--	--	--	--	--	--
04N/04W-12M01 M 04/20/66 1525	--	--	838	--	--	--	--	--	--	--	124	3.50	--	--	--	--	--	--	--	--
04N/04W-12M01 M 09/20/66 100U	--	--	869	--	--	--	--	--	--	--	109	3.07	--	--	--	--	--	--	--	--
04N/04W-13E01 M 04/21/66 1015	--	8.2	1850	138 6.89	38 3.12	224 9.74	--	0.0	224	--	284	26	284	26	--	0.3	--	--	502	319
04N/04W-13E01 M 04/28/66 160U	--	8.3	2410	174 8.68	40 3.29	198 8.61	--	0.0	266	--	401	--	401	--	--	0.2	--	--	598	380

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	S102	TDS	TH	NCH	
04N/04**-13E01 M 09/20/66 1015	--	--	2460	--	--	--	--	--	--	--	--	490	13.82	--	--	--	--	--	--
04N/04**-14C02 M 04/21/66 1030	--	--	1590	--	--	--	--	--	--	--	--	347	9.79	--	--	--	--	--	--
04N/04**-14C02 M 09/20/66 1030	--	--	1630	--	--	--	--	--	--	--	--	349	9.84	--	--	--	--	--	--
05N/04**-09Q02 M 04/20/66 1450	--	--	519	--	--	--	--	--	--	--	--	48	1.35	--	--	--	--	--	--
05N/04**-09Q02 M 09/19/66 1300	--	--	509	--	--	--	--	--	--	--	--	45	1.27	--	--	--	--	--	--
05N/04**-11F03 M 04/20/66 1405	--	--	734	--	--	--	--	--	--	--	--	126	3.55	--	--	2.4	--	--	--
05N/04**-11F03 M 09/20/66 0915	--	--	712	--	--	--	--	--	--	--	--	117	3.40	--	--	--	--	--	--
05N/04**-14C01 M 04/20/66 1420	--	7.7	230	19	6.7	19	--	0.0	102	--	18	--	1.67	--	--	0.0	--	--	75
05N/04**-14C01 M 09/20/66 0925	--	--	226	--	--	4.83	--	--	--	--	18	--	--	--	--	--	--	--	0
05N/04**-15E01 M 04/20/66 1440	--	--	410	--	--	--	--	--	--	--	36	--	1.02	--	--	0.0	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLE	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER										
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS	SUM	TH	NCH				
05N/04w-15E01 M 09/20/66 0905	--	--	426	--	--	--	--	--	--	--	--	38	1.07	--	--	--	--	--	--	--	--	--	--
05N/04w-20R02 M 04/20/66 1110	--	--	642	--	--	--	--	--	--	--	--	98	2.76	--	--	--	--	--	--	--	--	--	--
05N/04w-20H02 M 09/20/66 0815	--	--	1150	--	--	--	--	--	--	--	--	225	6.35	--	--	--	--	--	--	--	--	--	--
05N/04w-21P02 M 04/20/66 1140	--	8.6	2330	51	14	470	--	12	304	--	516	--	1,455	--	--	0.4	--	--	--	--	--	184	0
05N/04w-21P02 M 09/20/66 0800	--	--	2310	--	--	--	--	--	4.40	4.99	--	422	11.90	--	--	--	--	--	--	--	--	--	--
05N/04w-22M01 M 04/20/66 1155	--	--	631	--	--	--	--	--	--	--	--	40	1.13	--	--	--	--	--	--	--	--	--	--
05N/04w-22M01 M 09/20/66 0850	--	--	587	--	--	--	--	--	--	--	--	35	.99	--	--	--	--	--	--	--	--	--	--
05N/04w-29H01 M 04/20/66 1120	--	--	401	--	--	--	--	--	--	--	--	34	.96	--	--	0.0	--	--	--	--	--	--	--
05N/04w-29H01 M 09/20/66 0840	--	--	413	--	--	--	--	--	--	--	--	34	.96	--	--	--	--	--	--	--	--	--	--
06N/04w-06P01 M 04/20/66 1220	--	--	394	--	--	--	--	--	--	--	--	16	.45	--	--	0.0	--	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME	TEMP FLD	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE	MILLIGRAMS PER LITER				SUM	TH			
									CO3	HCO3	SO4	CL			NO3	F	B
06N/04W-06P01 M 09/19/66 1230	--	--	388	--	--	--	--	--	--	13	.37	--	--	--	--	--	--
06N/04W-15U01 M 04/15/66 1325	--	7.9	271	19	5.0	34	--	0.0	11.8	--	5.9	--	0.0	--	--	6.8	0
06N/04W-15U01 M 09/19/66 1005	--	--	261	--	--	--	--	--	1.94	--	.17	--	--	--	--	--	--
07N/05W-05A05 M 04/15/66 1255	--	7.8	439	86	4.0	16	--	0.0	192	--	6.4	--	0.3	--	--	231	74
09N/07W-25N01 M 04/15/66 1150	--	8.1	884	20	1.4	172	--	0.0	194	--	162	--	--	9.5	--	56	0
09N/07W-25N01 M 09/19/66 1040	--	--	975	--	--	--	--	--	3.18	--	4.57	--	--	--	--	--	--
SONOMA VALLEY (2-2.02)																	
04N/05W-14U02 M 11/17/65	--	--	992	--	--	186	--	--	--	--	120	--	0.1	--	--	--	--
04N/05W-14U02 M 05/27/66 1135	--	8.1	978	10	9.7	188	--	0.0	307	--	122	--	--	0.1	--	65	0
04N/05W-14U02 M 09/30/66 0615	--	--	1160	--	--	--	--	--	5.03	--	3.44	--	--	--	--	--	--
											163	--	--	--	--	--	--
											4.60	--	--	--	--	--	--

TABLE B-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAB FLD	TEMP	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO ₃	HCO ₃	50%	CL	NO ₃	F	H	S102	TDS SUM	TH NCH
04N/05W-32801 M 11/19/65	--	--	3940	--	--	--	--	--	--	--	950	22	--	2.3	--	--	--
04N/05W-32801 M 05/31/66 1135	--	--	3220	--	--	--	--	--	--	--	26.79	.35	--	2.3	--	--	--
05N/05W-18002 M 11/16/65	--	--	468	--	--	--	--	--	--	--	727	0.1	--	0.8	--	--	--
05N/05W-18002 M 05/27/66 1305	--	7.6	544	28 1.40	24 1.97	43 1.87	--	0.0	173	2.84	37	55	--	0.1	--	--	167 25
05N/05W-18002 M 09/16/66 1310	--	--	369	--	--	--	--	--	--	--	17	--	--	--	--	--	--
05N/05W-20401 M 11/17/65	--	--	875	--	--	--	--	--	--	--	52	--	--	--	--	--	--
05N/05W-20401 M 05/27/66 1225	--	--	824	--	--	186 8.09	--	--	--	--	46	--	--	4.0	--	--	--
05N/05W-20401 M 09/16/66 1350	--	--	844	--	--	--	--	--	--	--	59	--	--	--	--	--	--
05N/06W-12F01 M 11/16/65	--	--	421	--	--	--	--	--	--	--	20	--	--	0.8	--	--	--
05N/06W-12F01 M 05/27/66 1430	--	--	425	--	--	--	--	--	--	--	24	--	--	0.6	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME LAH SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER										TDS SUM	TH NCH					
								CO3	HCO3	SO4	CL	NO3	F	B	S102	MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE								
05N/06W-12F01 M 09/30/66 0655	--	--	453	--	--	--	--	--	--	--	--	21	.59	--	--	--	--	--	--	--	--	--		
05N/06W-24K01 M 11/16/65	--	--	400	--	--	--	--	--	--	--	--	36	1.02	--	--	0.0	--	--	--	--	--	--	--	
05N/06W-25P01 M 05/27/66 1400	--	--	565	--	--	--	--	--	--	--	--	12	.34	--	--	1.3	--	--	--	--	--	--	--	
05N/06W-25P01 M 09/16/66 1500	--	--	576	--	--	--	--	--	--	--	--	26	.73	--	--	--	--	--	--	--	--	--	--	
06N/06W-23M02 M 11/15/65	--	--	542	--	--	67	2.91	--	--	--	--	88	2.48	0.2	--	1.5	--	--	--	--	--	--	--	
06N/06W-23M02 M 05/31/66 1005	--	8.0	501	12	8.5	66	--	0.0	1.40	--	--	76	2.14	1.4	1.0	1.2	--	--	--	--	65	0	--	
06N/06W-23M02 M 09/30/66 0735	--	--	543	--	--	--	--	--	2.30	--	--	78	2.20	--	--	--	--	--	--	--	--	--	--	--
06N/06W-26E01 M 11/16/65	--	--	441	--	--	--	--	--	--	--	--	54	1.52	--	--	1.8	2.0	--	--	--	--	--	--	--
06N/06W-26E01 M 05/31/66 1040	--	--	425	--	--	--	--	--	--	--	--	53	1.49	--	--	1.3	1.9	--	--	--	--	--	--	--
06N/06W-26E01 M 09/30/66 0720	--	--	434	--	--	--	--	--	--	--	--	53	1.49	--	--	--	--	--	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER SUM			
								CO3	HCO3	SO4	CL	NO3	F		B	SI02	TH
SUISUN-FAIRFIELD VALLEY (2-3.00)																	
03N/01E-04801 M 09/14/66 0900	--	--	1430	--	--	--	--	--	--	--	--	321 9.05	--	0.6	--	--	--
03N/01E-21001 M 05/18/66 1430	--	--	1790	--	--	--	--	--	--	--	--	176 4.96	--	--	--	--	--
03N/01E-21001 M 09/14/66 0930	--	--	1820	--	--	--	--	--	--	--	--	182 5.13	--	7.2	--	--	--
03N/01E-22F02 M 05/18/66 1455	--	--	1720	--	--	--	--	--	--	--	--	246 6.94	--	--	--	--	--
03N/01E-22F02 M 09/14/66 1000	--	8.7	1680	27 1.35	25 2.06	316 13.75	--	--	38 1.27	434 7.12	--	492 13.87	--	4.0	--	--	171 0
04N/01W-33A01 M 05/24/66	--	--	3730	--	--	--	--	--	--	--	--	853 24.05	--	--	--	--	--
04N/01W-33A01 M 09/14/66 0800	--	8.3	3680	63 3.14 9	51 4.19 12	650 28.28 79	3.1 0.08	0.0	578 9.48	144 3.00	849 23.94	19 0.31 1	--	13.0	--	2020 2075	369 0
04N/01E-08F01 M 05/18/66 1305	--	--	1010	--	--	--	--	--	--	--	--	158 4.46	--	--	--	--	--
04N/01E-08F01 M 09/14/66 0840	--	8.5	1010	48 2.40	30 2.47	129 5.61	--	10 0.33	221 3.62	--	161 4.54	--	0.8	--	--	--	244 47

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME LAH SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
								CO ₃	HC0 ₃	SO ₄	CL	NO ₃	F	B	S102	TDS	SUM	TH	NCH				
04N/02W-04D01 M 05/16/66 1440	--	--	1440	--	--	--	--	--	--	--	--	--	178	--	--	--	--	--	--	--	--	--	
													5.02										
04N/02W-04D01 M 09/14/66 1330	--	--	1380	--	--	--	--	--	--	--	--	--	94	--	--	1.1	--	--	--	--	--	--	--
													2.65										
04N/02W-05D02 M 05/16/66 1415	--	--	367	--	--	--	--	--	--	--	--	--	38	--	--	--	--	--	--	--	--	--	--
													1.07										
04N/02W-05D02 M 09/14/66 1340	--	--	436	--	--	--	--	--	--	--	--	--	45	--	--	0.5	--	--	--	--	--	--	--
													1.27										
04N/02W-09H01 M 05/16/66 1505	--	--	3570	--	--	--	--	--	--	--	--	--	952	--	--	--	--	--	--	--	--	--	--
													26.85										
04N/02W-09H01 M 09/14/66 1240	--	--	3610	--	--	--	--	--	--	--	--	--	943	--	--	4.7	--	--	--	--	--	--	--
													26.59										
04N/02W-18M01 M 05/16/66 1345	--	--	1140	--	--	--	--	--	--	--	--	--	104	--	--	--	--	--	--	--	--	--	--
													2.93										
04N/02W-18M01 M 09/14/66 1430	--	--	1150	--	--	--	--	--	--	--	--	--	101	--	--	0.6	--	--	--	--	--	--	--
													2.85										
04N/03W-13G02 M 05/16/66 1315	--	--	1070	--	--	--	--	--	--	--	--	--	198	--	--	--	--	--	--	--	--	--	--
													5.58										
04N/03W-13G02 M 09/14/66 1355	--	--	845	1020	80	34	96	--	8.0	339	--	82	--	--	0.8	--	--	--	--	--	--	338	47
					3.99	2.79	4.18		.27	5.56		2.31											

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB SAMPLED	TEMP	PH LAB PLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER				MILLIGRAMS PER LITER TDS						
								CO3	HCO3	SO4	CL	N03	F	B	S102	SUM	TH	NCH
05N/01W-25R01 M 05/18/66 12*5	--	--	1540	--	--	--	--	--	--	357	10.07	--	--	--	--	--	--	--
05N/01W-25R01 M 09/14/66 104U	--	8.5	1620	101	31	176	--	8.0	223	--	383	--	0.6	--	--	--	380	184
05N/01W-26P01 M 00/00/66	--	8.6	924	74	33	79	--	15	317	--	126	--	0.4	--	--	--	321	36
05N/01W-28P01 M 05/18/66 085U	--	--	811	--	--	--	--	--	--	--	262	7.39	--	--	--	--	--	--
05N/02W-21P03 M 05/17/66 160U	--	--	982	--	--	--	--	--	--	--	134	3.78	--	--	--	--	--	--
05N/02W-21P03 M 09/16/66 1205	--	--	975	--	--	--	--	--	--	--	61	1.72	--	1.1	--	--	--	--
05N/02W-34N01 M 05/16/66 152U	--	--	1800	--	--	--	--	--	--	--	286	8.07	--	--	--	--	--	--
05N/02W-34N01 M 09/14/66 1315	--	--	1720	--	--	--	--	--	--	--	102	2.88	--	1.9	--	--	--	--
05N/02W-34P04 M 05/16/66 154U	--	--	1100	--	--	--	--	--	--	--	73	2.06	--	--	--	--	--	--
05N/02W-34P04 M 09/14/66 125U	--	--	1080	--	--	--	--	--	--	--	40	1.13	--	1.3	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE DATE TIME	WELL LAB SAMPLER	TEMP	PH LAB FLO	EC LAB FLO	CA	MG	NA	K	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					F	B	SI02	LITER TDS SUM	TH	NCH				
									CU3	HC03	SO4	CL	NO3	CU3	HC03	SO4	CL	NO3										
PITTSBURG PLAIN (2-4.00)																												
02N/01E-07R02 M		--	--	3580	--	--	--	--	--	--	--	--	--	736	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/15/66														20.76														
02N/02E-20A01 M		--	--	1500	--	--	--	--	--	--	--	--	--	225	32	--	--	--	--	--	--	--	--	--	--	--	--	--
09/15/66														6.35	.52													
0900																												
CLAYTON VALLEY (2-5.00)																												
01N/01W-04A01 M		--	8.6	613	50	37	28	--	--	12	252	--	26	--	--	0.4	--	--	--	--	--	--	--	--	--	279		
09/15/66					2.50	3.04	1.22			.40	4.13		.73												53			
1050																												
02N/01W-30J01 M		--	8.7	972	82	55	56	--	--	19	366	--	55	--	--	0.4	--	--	--	--	--	--	--	--	433			
09/15/66					4.09	4.52	2.44			.63	6.00		1.55												102			
0920																												
02N/01W-30K01 M		--	--	1380	--	--	--	--	--	--	--	--	97	--	--	1.1	--	--	--	--	--	--	--	--	--	--		
09/15/66													2.74															
0935																												
02N/01W-31001 M		--	--	1070	--	--	--	--	--	--	--	--	107	36	--	--	--	--	--	--	--	--	--	--	--	--		
09/15/66													3.02	.58														
0950																												
02N/02W-13P01 M		--	7.7	852	37	28	96	--	--	0.0	229	--	118	--	--	0.2	--	--	--	--	--	--	--	--	207			
09/15/66					1.85	2.30	4.18			3.76			3.33												19			
0745																												
02N/02W-26B01 M		--	--	961	--	--	--	--	--	--	--	--	136	--	--	0.9	--	--	--	--	--	--	--	--	--	--		
09/16/66													3.84															
0810																												

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS					
			CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	SUM	TH	NCH			
02N/02W-36J01 M 09/15/66 1010	--	--	1200	--	--	--	--	--	--	--	--	141	26	--	--	--	--	--	--	
												3.98	.42							
YGNACIO VALLEY (2-6.00)																				
01N/01W-07K01 M 09/15/66 1110	--	8.2	2210	101	69	293	--	0.0	368	--	199	--	--	0.9	--	--	--	--	538	
				5.04	5.67	12.96		6.04			5.61								236	
01N/01W-29G01 M 09/15/66 1215	--	8.2	2020	102	66	234	--	0.0	448	--	274	--	--	1.0	--	--	--	--	527	
				5.09	5.43	10.14		7.35			7.73								160	
01N/02W-11J01 M 09/15/66 1400	--	8.6	1210	87	34	138	--	21	458	--	140	--	--	1.2	--	--	--	--	357	
				4.34	2.79	6.00		.70	7.51		3.95								0	
01N/02W-13P01 M 09/15/66 1235	--	--	1110	--	--	--	--	--	--	--	106	30	--	1.2	--	--	--	--	--	
											2.99	.48								
02N/02W-36E01 M 09/16/66 0740	--	--	3110	--	--	--	--	--	--	--	456	167	--	1.5	--	--	--	--	--	
											12.86	2.89								
SANTA CLARA VALLEY - EAST BAY (2-9.01)																				
01S/04W-04A01 M 06/06/66 0930	--	8.1	1370	84	68	100	0.9	0.0	373	96	195	26	--	0.1	--	--	--	--	850	
				4.19	5.59	4.35	.02		6.12	2.00	5.50	.42							753	
				30	40	31			.44	14	39	3							186	
01S/04W-34F02 M 06/06/66 1000	--	8.0	994	34	29	125	2.8	0.0	265	28	160	10	--	0.2	--	--	--	--	555	
				1.70	2.38	5.44	.07		4.35	.58	4.51	.16							519	
				18	25	57	1		.45	6	47	2							0	

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME L44 SAMPLE#	TEMP	PH L44 FLD	EC L44 FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	S102	TDS	TH
02S/03*-16U01 M 06/09/66 1430	--	8.1	1970	70	102	157	3.1	0.0	235	42	478	25	--	0.3	--	1340	594
				3.69	8.39	6.83	0.8		3.85	87	13.48	40				993	402
				19	45	36			21	5	72	2					
02S/03*-21J01 M 06/06/66 1345	--	7.7	5070	448	175	295	0.1	0.0	246	146	1520	12	--	0.4	--	3950	840
				22.36	14.39	12.84	0.21		6.03	3.04	42.86	0.19				2725	639
				45	29	26			8	6	86						
02S/03*-28U01 M 06/06/66 1230	--	8.1	1220	93	32	103	3.5	0.0	264	45	230	0.3	--	0.4	--	765	367
				4.64	2.03	4.48	0.9		4.33	0.4	0.69					637	151
				39	22	34	1		37	8	55						
02S/03*-30A M 06/06/66 1215	--	8.6	1450	118	39	104	4.5	0.0	209	35	329	0.3	--	0.3	--	1040	458
				5.89	3.21	6.71	0.12		3.0	3.43	0.73	0.28				746	272
				42	25	34	1		2	25	5	68					
02S/03*-30U02 M 06/06/66 1205	--	7.9	5880	321	97	262	14	0.0	240	131	1104	0.6	--	0.3	--	3050	200
				16.02	7.97	11.40	0.36		3.94	2.72	29.33	0.1				1944	3
				45	22	32	1		11	8	81						
02S/03*-33H03 M 06/06/66 1400	--	7.9	628	35	17	61	4.1	0.0	317	34	25	1.0	--	0.5	--	363	157
				1.75	1.40	3.52	0.10		5.20	0.71	0.71	0.02				353	0
				26	21	52	1		78	11	11						
02S/03*-34A02 M 06/06/66 1415	--	7.1	608	72	36	46	0.6	0.0	307	69	37	49	--	0.3	--	503	327
				3.59	2.96	2.00	0.02		5.03	1.04	1.04	0.79				460	76
				42	35	23			61	17	13	10					
02S/03*-34U03 M 06/09/66 0130	--	8.2	545	41	19	61	1.5	0.0	301	24	25	1.5	--	0.4	--	310	179
				2.03	1.28	2.63	0.4		4.94	0.50	0.71	0.02				321	0
				33	25	47	1		80	8	12						
02S/04*-03E01 M 06/06/66 1015	--	8.3	740	36	17	104	2.1	0.0	288	34	87	0.7	--	0.3	--	431	160
				1.80	1.40	4.61	0.05		4.72	0.71	2.45	0.01				424	0
				23	14	57	1		60	9	31						
02S/04*-03F01 M 06/06/66 1030	--	8.2	986	48	26	112	2.2	0.0	237	22	140	1.2	--	0.5	--	530	225
				7.40	2.94	6.87	0.06		3.89	4.46	5.08	0.02				508	31
				25	23	51	1		41	5	54						

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE DATE TIME	WELL NUMBER LAB SAMPLE	PH LAM FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER PERCENTI REACTANCE VALUE						F	H	S102	SUM	TH	NCH
								CO3	HC03	SO4	CL	NO3	NO3						
025/04*-12401	M	8.1	396	23	14	36	2.2	0.0	165	8.2	37	0.5	--	0.1	--	213	114		
05/06/66				1.15	1.15	1.63	.06		2.71	.17	1.04	.01				204	0		
1100				29	29	41	1		69	6	26								
025/04*-25A01	M	8.5	829	46	14	112	2.8	--	260	45	92	0.3	--	0.4	--	472	171		
05/06/66				2.30	1.15	4.87	.07		4.59	.94	2.59					450	0		
1200				27	14	54	1		57	12	32								
035/02*-07J01	M	8.2	1090	108	38	74	2.9	0.0	416	93	71	52	--	0.3	--	647	425		
06/06/66				5.39	3.12	3.22	.07		6.82	1.93	2.00	.64				643	84		
1500				46	26	27	1		59	17	17	7							
035/02*-19804	M	8.5	1200	133	39	79	1.3	15	386	100	109	55	--	0.2	--	741	478		
05/09/66				6.64	3.21	3.44	.03	.50	6.33	2.08	3.07	.89				721	137		
1030				50	24	26		4	49	16	24	7							
035/02*-30414	M	8.1	1280	132	41	91	1.0	0.0	500	80	111	63	--	0.3	--	732	498		
05/09/66				6.59	3.37	3.95	.03		6.20	1.66	3.13	.69				744	88		
1230				47	24	24			60	12	23	5							
035/02*-32U02	M	7.7	809	36	7.3	124	2.5	0.0	273	53	87	0.5	--	0.6	--	457	120		
06/09/66				1.80	.80	5.91	.06		4.48	1.10	2.45	.01				450	0		
1300				22	7	70	1		56	14	30								
035/03*-01U03	M	8.0	1050	48	14	154	2.4	0.0	368	60	124	0.5	--	0.7	--	592	200		
05/06/66				2.40	1.56	6.87	.06		6.04	1.25	3.50	.01				593	0		
1430				22	14	63	1		56	12	32								
035/03*-11U01	M	8.2	1000	34	16	154	3.4	0.0	292	36	153	0.3	--	0.6	--	544	150		
06/08/66				1.70	1.32	6.87	.09		4.79	.75	4.31					544	0		
1000				17	13	64	1		49	8	44								
035/03*-13H02	M	8.3	1770	113	58	221	1.5	0.0	691	179	136	58	--	1.4	--	1140	522		
06/09/66				5.64	4.77	9.61	.04		11.33	3.72	3.84	.93				1106	0		
1015				28	24	48			57	19	19	5							
035/03*-24U02	M	7.5	2460	183	102	174	1.1	0.0	461	156	383	223	--	0.7	--	1470	876		
06/09/66				9.13	4.36	7.74	.03		7.56	3.24	10.80	3.59				1453	498		
1220				36	33	31			30	13	43	14							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME SAMPLE	TEMP	PH	EC LAH FLU	MINERAL CONSTITUENTS IN LAH FLU	CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	MILLIGRAMS PER LITER				TH	
													NO ₃	F	B	SIO ₂		TDS
04S/01W-07P02 M 04/26/66 1000	--	--	978	--	--	--	--	--	--	--	--	71	2.00	--	--	--	--	--
04S/01W-07P02 M 09/26/66 1025	--	--	934	--	--	--	--	--	--	--	--	66	1.86	--	--	--	--	--
04S/01W-07H01 M 04/26/66 0945	--	--	1160	--	--	--	--	--	--	--	--	112	3.16	--	--	--	--	--
04S/01W-07H01 M 10/02/66	--	--	1040	--	--	--	--	--	--	--	--	109	3.07	70	1.13	--	--	--
04S/01W-07R05 M 09/19/66 1445	--	--	785	--	--	--	--	--	--	--	--	52	1.47	23	0.37	--	--	--
04S/01W-17E02 M 05/04/66 1430	--	--	2110	--	--	--	--	--	--	--	--	47	12.61	--	--	--	--	--
04S/01W-17E02 M 09/20/66 0900	--	7.8	1870	163	77	82	2.6	0.0	2/6	52	395	18	0.15	--	1060	724	498	--
04S/01W-18C02 M 04/26/66 1120	--	--	1160	45	35	20	--	--	4.53	1.08	11.14	0.29	27	6	65	2	--	--
04S/01W-18C02 M 09/19/66 1330	--	8.3	1170	107	51	51	2.0	0.0	368	87	134	49	0.3	--	661	476	174	--
04S/01W-18C01 M 04/26/66 1010	--	--	1560	5.34	4.19	2.52	0.05	--	6.04	1.81	3.78	0.79	49	15	30	6	--	--
				44	35	21	--	--	--	--	--	2.35	6.63	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLE	PH LAH FLD	TEMP FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS TH				
			CA	MG	NA	K	CU3	HCO3	SO4	CL	NO3	F	H	SI	OS	SUM	TH	NCH
045/01W-18H01 M 09/21/66 1000	--	--	--	--	--	--	--	--	--	--	--	219	0.18	--	--	--	--	--
045/01W-18H03 M 04/26/66 0930	--	--	--	--	--	--	--	--	--	--	--	743	20.95	--	--	--	--	--
045/01W-18H03 M 09/21/66	--	--	--	--	--	--	--	--	--	--	--	703	19.82	--	--	--	--	--
045/01W-18H07 M 04/26/66 0945	--	--	--	--	--	--	--	--	--	--	--	227	0.40	--	--	--	--	--
045/01W-18H07 M 09/20/66 0300	8.0	1910	171	77	67	3.0	0.0	193	3.17	18	4	468	13.20	14	0.4	--	1080	743
045/01W-20H02 M 04/26/66 1620	--	730	48	35	17	--	--	--	--	--	--	86	2.43	--	--	--	--	--
045/01W-20H02 M 09/19/66 1600	--	915	--	--	--	--	--	--	--	--	--	137	3.86	--	--	--	--	--
045/01W-20H01 M 04/26/66	--	913	--	--	--	--	--	--	--	--	--	153	4.31	--	--	--	--	--
045/01W-20H01 M 09/20/66 1100	--	991	--	--	--	--	--	--	--	--	--	182	5.13	--	--	--	--	--
045/01W-20H02 M 04/26/66 1330	--	733	--	--	--	--	--	--	--	--	--	65	1.83	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME LAH SAMPLE	TEMP	PH	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TH	
				CA	Mg	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	S102		TDS SUM
04S/01W-21F02 M 12/07/65 0930	--	7.6	602	45	19	47	2.3	0.0	163	47	74	2.6	--	0.3	--	335	189
				2.25	1.56	2.04	.06		2.67	.98	2.09	.04				317	56
				38	26	35	1		46	17	36	1					
04S/01W-21F02 M 03/09/66	--	7.5	654	46	20	49	2.5	0.0	164	54	82	4.6	--	0.4	--	351	196
				2.30	1.64	2.13	.06		2.69	1.12	2.31	.07				339	62
				38	27	35	1		43	18	37	1					
04S/01W-21F02 M 06/03/66 0830	--	8.5	655	49	22	51	2.8	8.0	177	57	92	5.3	--	0.4	--	411	212
				2.45	1.81	2.22	.07	.27	2.90	1.19	2.59	.09				374	54
				37	28	34	1	4	41	17	37	1					
04S/01W-21F02 M 09/13/66 0830	--	8.4	631	44	18	43	1.8	2.0	148	38	89	2.4	--	0.4	--	361	186
				2.20	1.48	1.87	.05	.07	2.43	.79	2.51	.04				311	61
				39	26	33	1	1	42	14	43	1					
04S/01W-21K03 M 04/26/66 1320	--	--	613	--	--	--	--	--	--	--	36	--	--	--	--	--	--
											1.02						
04S/01W-21K03 M 09/19/66 1050	--	--	655	--	--	--	--	--	--	--	102	--	--	--	--	--	--
											2.88						
04S/01W-21P06 M 12/07/65 1000	--	8.0	661	59	22	45	1.9	0.0	233	55	59	3.9	--	0.4	--	367	237
				2.94	1.81	1.95	.05		3.82	1.14	1.66	.06				360	46
				43	27	23	1		57	17	25	1					
04S/01W-21P06 M 03/09/66 0940	--	7.6	687	59	24	46	2.0	0.0	266	65	37	6.0	--	0.5	--	395	247
				2.94	1.97	2.00	.05		4.36	1.35	1.04	.10				370	29
				42	26	29	1		64	20	15	1					
04S/01W-21P06 M 06/03/66 0850	--	8.4	717	62	25	54	2.3	8.0	246	72	60	6.3	--	0.5	--	407	259
				3.09	2.06	2.35	.06	.27	4.03	1.50	1.69	.10				411	44
				41	27	31	1	4	53	20	22	1					
04S/01W-21P06 M 09/13/66 0900	--	8.5	712	60	25	42	1.4	10	234	58	58	4.6	--	0.6	--	402	252
				2.99	2.06	1.83	.04	.33	3.84	1.21	1.64	.07				374	44
				43	30	26	1	5	54	17	23	1					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAP FLD	EC LAP FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE					F	B	S102	TDS SUM	TH NCH
							CO3	HCO3	SO4	CL	NO3					
04S/01W-21R02 M 04/26/66 1135	--	551	--	--	--	--	--	--	--	28	79	--	--	--	--	--
04S/01W-21R04 M 04/26/66 1145	--	716	--	--	--	--	--	--	43	1.21	--	--	--	--	--	--
04S/01W-22M02 M 04/27/66 1450	--	1150	--	--	--	--	--	--	70	1.97	--	--	--	--	--	--
04S/01W-22M02 M 09/29/66 1000	--	862	52	17	104	5.0	0.0	349	63	62	2.4	1.6	--	487	198	
04S/01W-28M02 M 04/26/66 1405	--	837	2.59	1.40	4.70	.13	5.72	1.31	1.75	20	.04	--	--	482	0	
04S/01W-28M02 M 09/26/66 1135	--	768	61	27	62	1.9	0.0	323	74	42	8.1	1.0	--	438	263	
04S/01W-28C01 M 04/26/66 1359	--	745	3.04	2.22	2.70	.05	5.30	1.54	1.18	14	.2	--	--	435	0	
04S/01W-28C01 M 09/20/66 0855	--	693	36	28	34	1	65	19	14	65	1.83	--	--	--	--	
04S/01W-28C14 M 04/26/66 1355	--	654	--	--	--	--	--	--	--	38	1.07	--	--	--	--	
04S/01W-28C14 M 09/20/66 0845	--	754	79	24	42	1.9	0.0	300	63	56	4.8	0.5	--	429	297	
			3.94	1.97	1.83	.05	4.42	1.31	1.58	.08				418	51	
			51	25	23	1	62	17	20	1						

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS SUM					
				CA	MG	NA	K	CU3	HCO3	SO4	CL	NU3	F	B	SI02	TH	NCH
045/01*-28004 M 04/26/66 1415	--	--	815	--	--	--	--	--	--	85	--	--	--	--	--	--	--
045/01*-28004 M 09/19/66 133J	--	8.2	811	76	33	43	2.1	0.0	281	66	77	1.4	--	0.7	--	458	326
045/01*-28009 M 04/26/66 1335	--	--	726	3.79	2.71	1.87	.05	4.81	1.37	2.17	.27	.02	--	--	--	437	96
045/01*-28005 M 04/26/66 142U	--	--	581	45	32	22	1	56	17	--	--	--	--	--	--	--	--
045/01*-28009 M 09/20/66 095U	--	--	732	--	--	--	--	--	--	1.80	--	--	--	--	--	--	--
045/01*-28005 M 04/26/66 142U	--	--	581	--	--	--	--	--	--	75	--	--	--	--	--	--	--
045/01*-28001 M 04/27/66 1845	--	--	1890	--	--	--	--	--	--	2.12	--	--	--	--	--	--	--
045/01*-28001 M 10/04/66	--	--	2340	--	--	--	--	--	--	27	--	--	--	--	--	--	--
045/01*-29J09 M 00/00/00	--	7.9	3040	253	124	170	4.1	0.0	455	69	732	22	--	1.0	--	1730	1140
045/01*-29J09 M 04/26/66 1435	--	--	2640	12.62	10.19	7.40	.10	7.46	1.85	20.64	.35	1	--	--	--	1618	768
045/01*-29L12 M 05/03/66 162U	--	--	2640	42	34	24	--	--	--	516	--	--	--	--	--	--	--
										14.55	--	--	--	--	--	--	--
										703	--	--	--	--	--	--	--
										19.82	--	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAID TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER									
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	δ	SI02	TDS	TH
04S/01W-29L12 M 09/29/66 1100	--	8.0	2940	316	110	74	3.4	0.0	246	21	822	6.4	--	0.5	--	1630	1240
				15.77	9.04	3.22	.09	4.03	44	23.18	.10				1474	1039	
				56	32	11		15	2	84							
04S/01W-30E03 M 04/26/66 1605	--	--	926	--	--	--	--	--	--	--	147	--	--	--	--	--	
											4.15						
04S/01W-30N03 M 04/26/66 1545	--	--	1290	--	--	--	--	--	--	--	282	--	--	--	--	--	
											7.95						
04S/01W-30N03 M 09/20/66 1545	--	--	1280	--	--	--	--	--	--	--	269	--	--	--	--	--	
											7.59						
04S/01W-31A02 M 04/26/66 153U	--	--	1930	--	--	--	--	--	--	--	451	--	--	--	--	--	
											12.72						
04S/01W-31A02 M 09/20/66 1515	--	--	2660	--	--	--	--	--	--	--	726	--	--	--	--	--	
											20.47						
04S/01W-31B03 M 05/04/66 1100	--	--	1310	--	--	--	--	--	--	--	275	--	--	--	--	--	
											7.76						
04S/01W-31B03 M 09/29/66 033U	--	8.1	1520	150	39	62	3.0	0.0	219	47	329	2.4	--	0.4	--	850	536
				7.89	3.21	2.70	.08	3.59	94	9.28	.04				740	357	
				56	24	20	1	26	7	67							
04S/01W-33A01 M 04/27/66 134U	--	--	1230	--	--	--	--	--	--	--	87	--	--	--	--	--	
											2.45						
04S/01W-33A01 M 09/28/66	--	7.9	1160	96	46	70	1.9	0.0	424	118	76	37	--	0.7	--	658	436
				4.89	3.78	3.39	.05	6.95	2.45	2.14	.00				663	89	
				40	31	28		57	20	18	5						

TABLE B-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME LAH SAMPLE#	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				NO3	F	B	S102	MILLIGRAMS PER LITER			
							CO3	HC03	SO4	CL					TDS	SUM	TH	NCH
04S/01W-33E01 M 04/26/66 1520	--	4750	--	--	--	--	--	--	--	1310	--	--	--	--	--	--	--	--
										36.94								
04S/01W-33E01 M 09/21/66	--	4780	--	--	--	--	--	--	--	1440	--	--	--	--	--	--	--	--
										40.61								
04S/01W-34O04 M 09/20/66 1610	8.4	1220	120	42	82	1.9	12	475	31	133	14	--	0.2	--	--	692	471	62
			5.99	3.45	3.57	.05	.40	7.79	.64	3.75	.23					669	62	
			46	26	27		3	61	5	29	2							
04S/01W-34R02 M 04/26/66 1500	--	710	--	--	--	--	--	--	--	38	--	--	--	--	--	--	--	--
										1.07								
04S/01W-35P03 M 04/26/66 1457	--	734	--	--	--	--	--	--	--	40	--	--	--	--	--	--	--	--
										1.13								
04S/02W-03R01 M 04/26/66 1100	--	603	--	--	--	--	--	--	--	20	--	--	--	--	--	--	--	--
										.56								
04S/02W-03R01 M 09/20/66 1020	8.3	600	38	11	82	1.6	0.0	304	45	20	0.6	--	0.4	--	--	354	140	0
			1.90	.90	3.57	.04		4.99	.94	.56	.01					348	0	
			30	14	56	1		77	14	9								
04S/02W-09U02 M 06/09/66 1320	7.7	5110	397	124	448	7.6	0.0	200	145	1520	2.4	--	0.3	--	--	3740	1500	1337
			19.81	10.19	19.49	.19		3.28	3.02	42.86	.04					2742	1337	
			40	21	39			7	6	87								
04S/02W-10C01 M 10/03/66 1530	8.2	945	66	19	95	2.1	0.0	218	46	162	2.2	--	0.4	--	--	509	242	63
			3.29	1.56	4.13	.05		3.58	.96	4.57	.04					500	63	
			36	17	46	1		39	10	50								
04S/02W-10L02 M 05/04/66 1335	--	632	--	--	--	--	--	--	--	38	--	--	--	--	--	--	--	--
										1.07								

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	TEMP	PH LAH FLD	EC LAB FLD	CA	MG	NA	K	MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TH NCH		
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	S102		TDS SUM	
04S/02W-10M01 M 04/26/66 1050	--	--	592	--	--	--	--	--	--	--	30	--	--	--	--	--	--	--
04S/02W-10M01 M 09/20/66 0330	--	--	627	--	--	--	--	--	--	38	1.07	--	--	--	--	--	--	--
04S/02W-10N06 M 04/27/66 1545	--	--	3440	--	--	--	--	--	--	--	977	27.55	--	--	--	--	--	--
04S/02W-10N06 M 09/22/66 0200	--	7.9	3640	259	69	316	5.5	0.0	125	41	1050	0.4	--	0.6	--	2240	930	1803
04S/02W-10N02 M 04/26/66 1030	--	--	2960	--	--	--	--	--	--	--	548	15.45	--	--	--	--	--	--
04S/02W-10N02 M 09/23/66 1130	--	7.8	3020	294	145	171	4.2	0.0	522	361	644	9.6	--	0.5	--	1910	1330	1885
04S/02W-10N03 M 04/26/66 1040	--	--	2310	--	--	--	--	--	--	--	344	9.70	--	--	--	--	--	--
04S/02W-10N03 M 09/20/66 0345	--	--	2460	--	--	--	--	--	--	--	380	10.72	--	--	--	--	--	--
04S/02W-11A02 M 04/26/66 1125	--	--	773	--	--	--	--	--	--	--	72	2.03	--	--	--	--	--	--
04S/02W-11A02 M 09/20/66 1050	--	--	806	--	--	--	--	--	--	--	40	1.13	15	--	--	--	--	24

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME SAMPLER	TEMP	PH LAH FLU	EC LAH FLO	CA	MG	NA	K	MILLIGRAMS PER LITER																
								CO3	HCO3	SO4	CL	NO3	F	B	S102	IDS	TH	NCH						
				MINERAL CONSTITUENTS IN				PERCENT REACTANCE VALUE				MILLIEQUIVALENT PER LITER												
04S/02W-111G01 M 04/26/66 1140	--	--	848	--	--	--	--	--	--	--	--	82	--	--	--	--	--	--	--	--	--	--		
												2.31												
04S/02W-111G01 M 09/23/66	--	--	1440	--	--	--	--	--	--	--	--	105	32	--	--	--	--	--	--	--	--	--	--	
												2.96	.52											
04S/02W-111G01 M 04/26/66 1135	--	--	675	--	--	--	--	--	--	--	--	75	--	--	--	--	--	--	--	--	--	--	--	
												2.12												
04S/02W-111G01 M 09/23/66 090J	--	7.9	687	75	18	33	2.1	0.0	272	50	40	13	13	21	3	--	0.3	--	--	--	384	261	38	
				3.74	1.48	1.65	.05		4.46	1.04	1.13	.21	.21	.21	.21									
				54	21	24	1		65	15	17	3	3	3	3									
04S/02W-111R12 M 04/26/66 143U	--	--	1360	--	--	--	--	--	--	--	--	108	--	--	--	--	--	--	--	--	--	--	--	--
												3.05												
04S/02W-111R12 M 09/23/66 092U	--	--	1290	--	--	--	--	--	--	--	--	107	57	--	--	--	--	--	--	--	--	--	--	--
												3.02	.92											
04S/02W-12C01 M 04/26/66 1115	--	--	650	--	--	--	--	--	--	--	--	85	--	--	--	--	--	--	--	--	--	--	--	--
												2.40												
04S/02W-12N04 M 04/26/66 1445	--	--	1040	--	--	--	--	--	--	--	--	73	--	--	--	--	--	--	--	--	--	--	--	--
												2.06												
04S/02W-12N04 M 09/23/66 143U	--	--	1010	--	--	--	--	--	--	--	--	72	50	--	--	--	--	--	--	--	--	--	--	--
												2.03	.61											
04S/02W-12P02 M 04/27/66 152U	--	--	933	--	--	--	--	--	--	--	--	102	--	--	--	--	--	--	--	--	--	--	--	--
												2.88												

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	TEMP	PH LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102	TDS SUM	TH NCH	
04S/02W-12P02 M 09/30/66	--	--	937	--	--	--	--	--	--	66	40	--	--	--	--	--	--
04S/02W-13C02 M 04/26/66 1455	--	--	1660	--	--	--	--	--	--	1.86	.64	--	--	--	--	--	--
04S/02W-13C02 M 09/20/66 1515	--	--	1910	--	--	--	--	--	--	265	--	7.47	--	--	--	--	--
04S/02W-13E02 M 09/22/66 0900	--	--	3140	--	--	--	--	--	--	321	--	9.05	--	--	--	--	--
04S/02W-14B03 M 05/04/66 1400	--	--	2020	--	--	--	--	--	--	300	--	8.46	--	--	--	--	--
04S/02W-14B03 M 09/28/66 1400	--	--	2000	--	--	--	--	--	--	361	22	10.18	.35	--	--	--	--
04S/02W-14E01 M 04/26/66 1330	--	--	5140	--	--	--	--	--	--	1260	--	35.53	--	--	--	--	--
04S/02W-14E01 M 09/22/66 1115	--	7.5	5350	483	237	260	9.0	0.0	358	481	1340	65	--	0.6	--	4530	2180
04S/02W-14J01 M 04/26/66 1510	--	--	1030	2410	1948	1131	.23	--	5.87	10.00	37.79	1.05	--	--	--	3051	1888
04S/02W-14J01 M 09/22/66 1030	--	--	1030	44	35	21	--	--	11	18	69	2	--	--	--	--	--
04S/02W-14J01 M 09/22/66 1030	--	8.1	1180	127	59	46	2.6	0.0	312	62	190	13	--	0.4	--	882	509
				6.34	4.85	2.00	.07		5.12	1.29	5.36	.21				653	253
				48	37	15	1		43	11	45	2					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	PH LAB FLD	TEMP	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				F	H	S102	TDS SUM
								CO3	HCO3	SO4	CL				
04S/02M-15C01 M 04/26/66 1400	--	--	637	--	--	--	--	--	--	67	--	--	--	--	--
										1.89					
04S/02M-15C01 M 09/21/66 1000	8.1	603	57	19	40	2.1	0.0	252	44	33	12	0.3	--	327	221
			2.84	1.56	1.74	.05		4.13	.92	.93	.19			331	15
			46	23	28	1		67	15	15	3				
04S/02M-15L04 M 04/26/66 1445	--	--	848	--	--	--	--	--	--	115	--	--	--	--	--
										3.24					
04S/02M-15L04 M 09/21/66 0300	8.2	940	104	30	41	2.9	0.0	295	58	121	14	0.4	--	533	384
			5.19	2.47	1.74	.07		4.84	1.21	3.41	.23			516	142
			55	26	19	1		50	12	35	2				
04S/02M-22P02 M 04/27/66 1145	--	--	565	--	--	--	--	--	--	59	--	--	--	--	--
										1.66					
04S/02M-22P02 M 09/22/66 1100	8.6	577	29	5.7	87	1.4	13	236	42	31	0.8	0.4	--	342	96
			1.45	.47	3.78	.04	.43	3.87	.87	.87	.01			326	0
			25	8	66	1	7	64	14	14					
04S/02M-23F02 M 04/26/66 1615	--	--	768	--	--	--	--	--	--	110	--	--	--	--	--
										3.10					
04S/02M-23F02 M 09/21/66 1430	6.0	1120	126	37	40	2.5	0.0	257	60	190	4.0	0.4	--	651	469
			6.29	3.04	1.74	.06		4.21	1.25	5.36	.06			586	259
			57	27	16	1		39	11	49	1				
04S/02M-24004 M 04/27/66 1115	--	--	614	--	--	--	--	--	--	36	--	--	--	--	--
										.96					
04S/02M-24004 M 09/21/66 1130	8.5	649	72	20	33	2.4	10	258	52	37	7.6	0.4	--	373	261
			3.59	1.84	1.44	.06	.33	4.23	1.08	1.04	.12			361	33
			53	24	21	1	5	62	16	15	2				

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	TEMP	PH LAH FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS			
												NO3	F	B	S102	SUM	TH	NCH	
04S/02W-24F06 M 04/28/66 0845	--	--	4430	--	--	--	--	--	--	--	1300 36.66	--	--	--	--	--	--	--	
04S/02W-24J01 M 04/27/66 1100	--	--	1460	--	--	--	--	--	--	--	305 8.60	--	--	--	--	--	--	--	
04S/02W-24J01 M 09/26/66 1150	--	8.0	1450	155	54	47	3.0	0.0	26.3	9.0	276	3.2	0.5	--	--	826	610	758	395
04S/02W-24L06 M 04/27/66 1130	--	--	693	--	--	--	--	--	4.31	1.87	7.78	0.05	--	--	--	--	--	--	--
04S/02W-24L06 M 09/21/66 1140	--	8.5	796	87	24	35	2.4	10	220	59	105	5.1	0.4	--	--	439	316	436	119
04S/02W-26A01 M 04/26/66 1545	--	--	1380	55	25	19	1	4	44	15	36	1	--	--	--	--	--	--	--
04S/02W-26A01 M 09/21/66 1500	--	7.9	1580	153	47	79	2.7	0.0	24.9	53	342	5.6	0.3	--	--	875	574	805	370
04S/02W-27L01 M 04/26/66 1630	--	--	594	51	26	23	--	--	27	7	65	1	--	--	--	--	--	--	--
04S/02W-35F01 M 04/27/66 0910	--	--	991	--	--	--	--	--	--	--	153	--	--	--	--	--	--	--	--
04S/02W-35F01 M 09/20/66 0425	--	--	1160	--	--	--	--	--	--	--	222	--	--	--	--	6.26	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				F	B	SI02	MILLIGRAMS PER LITER		
							CO3	HCO3	SO4	CL				NO3	TDS	TH
055/01w-03m01 M 04/26/66 1450	--	1120	--	--	--	--	--	--	157	4.43	--	--	--	--	--	--
055/01w-04001 M 04/27/66 1110	--	584	--	--	--	--	--	21	.59	--	--	--	--	--	--	--
055/01w-06001 M 04/27/66 0928	--	2970	--	--	--	--	--	111	22.87	--	--	--	--	--	--	--
055/01w-08A03 M 04/27/66 1102	--	624	--	--	--	--	--	17	.48	--	--	--	--	--	--	--
055/01w-08A03 M 09/22/66 1130	--	8.6	14	2.2	116	0.9	11	278	35	18	0.1	--	0.5	--	361	44
055/01w-09J01 M 04/27/66 1015	--	3*00	.70	.18	5.05	.02	.37	4.56	.73	.51	--	--	--	334	0	--
055/01w-09J01 M 09/22/66 1545	--	2250	12	3	85	--	6	74	12	8	--	--	--	--	--	--
055/01w-09K01 M 04/27/66 1025	--	1300	--	--	--	--	--	--	542	15.28	--	--	--	--	--	--
055/01w-09K01 M 09/22/66 1530	--	1550	11.9	52	102	8.5	0.0	280	22	334	2.5	--	0.4	--	922	499
055/01w-09m01 M 04/27/66 0940	--	1480	5.94	4.27	4.44	.22	4.59	4.46	9.42	.04	--	--	--	778	270	--
			40	29	30	1	32	3	65	--	--	--	--	--	--	--
			--	--	--	--	--	--	451	12.72	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	PH LAH FLD	EC LAH FLD	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE			MILLIGRAMS PER LITER TDS TH		
			CA	MG	NA	K	CO ₃	HCO ₃	50%	CL	NO ₃	F	B	SIO ₂	SUM	TH	NCH	
05S/01W-09M01 M 09/22/66 0910	8.0	2070	166	68	12%	7.4	0.0	0.0	271	38	488	1.9	--	0.2	--	1120	693	
			8.28	5.59	5.39	.19		4.44	.79	13.76	.03					1026	471	
			43	29	28	1		23	4	72								
05S/01W-15C01 M 04/27/66 1035	--	906	--	--	--	--	--	--	--	--	61	--	--	--	--	--	--	
											1.72							
05S/01W-17A01 M 04/27/66 1005	--	665	--	--	--	--	--	--	--	27	.76	--	--	--	--	--	--	
05S/02W-01K01 M 04/27/66 1135	--	881	--	--	--	--	--	--	--	91	2.57	--	--	--	--	--	--	
05S/02W-01N01 M 04/27/66 0855	--	436	--	--	--	--	--	--	--	14	.39	--	--	--	--	--	--	
05S/02W-01N01 M 09/27/66 0900	--	443	5.2	2.2	9.2	0.4	0.0	212	27	11	0.5	0.5	--	0.3	--	259	22	
			.26	.19	4.00	.01		3.48	.56	.31	.01					242	0	
			6	4	90			80	13	7								
SANTA CLARA VALLEY - SOUTH BAY (2-9,02)																		
05S/01E-31E01 M 08/23/66 1105	--	636	--	--	--	--	--	--	--	34	.96	--	--	0.3	--	--	--	
06S/01E-27C02 M 08/31/66 101J	--	759	40	21	87	1.9	0.0	278	70	54	8.2	--	--	1.3	--	420	186	
			2.00	1.73	3.78	.05		4.56	1.46	1.52	.13					420	0	
			26	23	50	1		59	19	20	2							
06S/01E-28A04 M 08/31/66 1030	--	746	67	20	65	2.0	15	281	60	50	6.5	--	--	0.8	--	438	248	
			3.34	1.64	2.83	.05	.50	4.61	1.25	1.41	.10					424	0	
			42	21	36	1	6	59	16	18	1							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAB FLD	EC LAB FLD	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER TDS SUM				
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS	SUM	
065/01E-30M01 M 08/24/66 1000	8.3	640	66	27	31	1.5	0.0	284	46	33	8.5	0.1	--	351	275		
			3.29	2.22	1.35	.04	4.66	.96	.93	.14				352	42		
			48	32	20	1	70	14	14	2							
065/01W-11801 M 08/23/66 1220	8.6	609	66	17	38	1.4	23	262	40	14	0.0	0.2	--	336	236		
			3.29	1.40	1.65	.04	.77	4.30	.83	.39				328	0		
			52	22	26	1	12	68	13	6							
065/01W-14E01 M 08/23/66 1330	8.6	878	82	23	59	1.9	11	199	46	138	0.3	0.2	--	536	300		
			4.09	1.89	2.57	.05	.37	3.26	.96	3.89				459	119		
			48	22	30	1	4	38	11	46							
065/01W-16A01 M 08/25/66 1145	7.9	2570	164	79	211	2.2	0.0	125	123	690	0.3	0.3	--	1460	735		
			8.18	6.49	9.14	.06	2.05	2.56	19.46					1331	633		
			34	27	34		9	11	81								
065/01W-26001 M 08/25/66 1025	--	443	--	--	--	--	--	--	--	16	--	--	--	--	--		
										.45							
065/01W-27N03 M 08/24/66 1320	8.0	412	30	17	27	1.2	0.0	149	49	18	5.6	0.1	--	236	145		
			1.50	1.40	1.17	.03	2.44	1.02	.51	.09				221	23		
			37	34	29	1	60	25	13	2							
065/01W-29C01 M 08/25/66 1335	8.5	577	57	17	34	0.8	8.6	249	36	27	8.0	0.2	--	318	213		
			2.84	1.40	1.65	.02	.29	4.08	.75	.76	.13			315	0		
			48	24	24		5	68	12	13	2						
065/02E-09H01 M 08/26/66 1145	8.2	574	40	13	60	1.6	0.0	258	45	34	1.1	0.2	--	320	155		
			2.00	1.07	2.61	.04	4.23	.73	.96	.02				311	0		
			35	19	46	1	71	12	16								
065/02E-09A02 M 08/26/66 1155	8.2	537	26	13	66	1.1	0.0	214	31	43	0.4	0.2	--	290	119		
			1.30	1.07	2.87	.03	3.51	.64	1.21	.01				286	0		
			25	20	54	1	65	12	23								
065/02E-24M03 M 08/26/66 1115	8.4	559	46	19	43	1.1	6.8	246	41	26	1.0	0.1	--	312	194		
			2.30	1.56	1.87	.03	.23	4.03	.85	.73	.02			305	0		
			40	27	32	1	4	69	15	12							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS SUM			
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102	TH	NCH	
085/02E-29D02 M 08/26/66 1245	--	--	756	--	--	--	--	--	--	--	--	42	37	--	0.0	--	--	--
												1.18	.60					
075/01E-208 M 08/31/66 0930	--	--	811	--	--	--	--	--	--	--	--	40	4.6	--	0.1	--	--	--
												1.13	.07					
075/01E-25A02 M 07/15/66 0940	--	8.0	1020	22	98	44	0.7	0.0	527	27	70	6.7	6.7	--	0.2	--	557	459
				1.10	8.06	1.91	.02		8.64	.56	1.97	.11	.11				527	27
				10	73	17			77	5	17	1	1					
075/01W-35H01 M 09/23/66 0835	--	8.0	455	49	19	15	1.3	0.0	194	51	13	5.4	5.4	--	0.1	--	243	199
				2.45	1.56	.65	.03		3.18	1.06	.37	.09	.09				249	40
				52	33	14	1		.68	.23	8	2	2					
075/02E-18601 M 07/15/66 1035	--	--	1100	--	--	--	--	--	--	--	98	--	--	--	--	--	--	--
											2.76							
075/02E-19E01 M 07/15/66 0950	--	8.2	783	46	40	60	0.8	0.0	345	49	41	19	19	--	0.2	--	407	278
				2.30	3.29	2.61	.02		5.66	1.02	1.16	.31	.31				425	0
				28	40	32			69	13	14	4	4					
075/02E-33C04 M 07/15/66 1020	--	--	827	--	--	--	--	--	--	--	52	--	--	--	--	--	--	--
											1.47							
085/01E-04L04 M 07/19/66 1010	--	8.2	471	30	35	15	1.1	0.0	234	30	12	8.4	8.4	--	0.1	--	268	219
				1.50	2.88	.65	.03		3.84	.62	.34	.14	.14				246	27
				30	57	13	1		78	13	7	3	3					
085/01E-10G01 M 07/18/66 1330	--	--	505	--	--	--	--	--	--	--	20	--	--	--	--	--	--	--
											.56							
085/01E-13L01 M 07/19/66 1340	--	--	738	--	--	--	--	--	--	--	24	29	29	--	--	--	--	--
											.68	.47	.47					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME LAB SAMPLER	PH LAB FLD	EC LAB FLD	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN											MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER IDS		
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102	SUM	TH	NCH				
08S/01E-16001 M 07/19/66 1035	--	8.3	520	4.0	31	15	1.3	0.0	205	45	26	14	--	0.2	--	278	228				
				2.00	2.55	.65	.03	3.36	.94	.73	.23					273	60				
				38	49	12	1	64	18	14	4										
08S/01E-17001 M 09/01/66 0815	--	8.0	508	4.1	29	15	1.0	0.0	184	45	34	6.1	--	0.2	--	264	221				
				2.05	2.38	.65	.03	3.02	.94	.96	.10					261	70				
				4.0	4.7	13	1	60	19	19	2										
08S/01E-27C02 M 09/29/66 0845	--	--	631	--	--	--	--	--	--	--	16	12	--	0.2	--	--	--				
											.45	.19									
08S/01E-13A02 M 07/18/66 1400	--	--	478	--	--	--	--	--	--	--	36	--	--	--	--	--	--				
											1.02										
08S/01E-15B01 M 08/16/66 1010	--	8.2	650	4.3	39	26	1.2	0.0	200	68	33	28	--	0.1	--	415	269				
				2.15	3.21	1.13	.03	3.28	1.41	.93	.45					336	105				
				33	49	17		54	23	15	7										
08S/02E-07F01 M 07/19/66 1505	--	8.0	626	4.2	42	26	1.2	0.0	271	68	19	15	--	0.1	--	340	279				
				2.10	3.45	1.13	.03	4.44	1.41	.54	.24					346	57				
				31	51	17		67	21	8	4										
08S/02E-16E01 M 08/08/66 1300	--	8.4	535	4.3	31	22	1.0	3.0	243	51	16	6.4	--	0.2	--	283	235				
				2.15	2.55	.96	.03	1.0	3.99	1.06	.45	.10				293	31				
				38	45	17	1	2	70	19	8	2									
08S/02E-17L02 M 08/31/66 1110	--	--	550	--	--	--	--	--	--	--	21	--	--	--	--	--	--				
											.59										
08S/02E-34A01 M 08/08/66 1000	--	8.2	506	2.8	29	27	1.1	0.0	158	72	18	31	--	0.1	--	290	191				
				1.40	2.38	1.17	.03	2.59	1.50	.51	.50					284	62				
				28	48	23	1	51	29	10	10										
09S/02E-02C01 M 08/08/66 1035	--	8.2	681	5.8	34	29	1.0	0.0	251	68	30	42	--	0.2	--	354	285				
				2.89	2.79	1.26	.03	4.12	1.41	.85	.68					385	79				
				41	40	18		58	20	12	10										

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER		
			CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS	TH	NCH		
09S/03E-22803 M 08/09/66 1010	--	456	--	--	--	--	--	--	18	--	--	--	--	--	--	--	--		
09S/03E-36F03 M 08/09/66 1115	--	473	38	21	27	1.7	0.0	205	25	19	22	--	0.1	--	271	181	13		
			1.90	1.73	1.17	.04		3.36	.92	.54	.35				254				
			39	36	24	1		70	11	11	7								
02S/02E-35G02 M 06/10/66 1230	--	3110	78	54	485	2.4	16	346	80	753	36	--	6.5	--	1740	418	108		
			3.89	4.44	21.10	.06	.53	5.67	1.66	21.23	.58				1680				
			13	15	72		2	19	6	72	2								
03S/01E-03U01 M 06/14/66 1200	--	1080	46	44	125	2.1	10	378	58	119	20	--	1.8	--	616	298	0		
			2.30	3.62	5.44	.05	.33	6.20	1.21	3.36	.32				611				
			20	32	48		3	54	11	29	3								
03S/01E-08H01 M 06/10/66 1930	--	1120	58	47	115	2.5	0.0	358	128	123	4.7	--	0.9	--	641	339	46		
			2.89	3.86	5.00	.06		5.87	2.66	3.47	.08				655				
			24	33	42	1		49	22	29	1								
03S/01E-08H03 M 06/10/66 1920	--	969	3.24	5.34	1.96	.06	0.0	395	61	84	13	--	0.4	--	571	430	106		
			31	50	18	1		6.49	1.27	2.37	.21				530				
								63	12	23	2								
03S/01E-09K02 M 06/14/66 1150	--	866	52	58	48	2.6	0.0	338	81	74	16	--	0.7	--	504	369	92		
			2.59	4.77	2.09	.07		5.54	1.68	2.09	.26				498				
			27	50	22	1		58	18	22	3								
03S/01E-09L01 M 06/14/66 1140	--	1330	89	68	110	3.2	0.0	511	97	139	25	--	1.7	--	774	503	84		
			4.44	5.59	4.79	.08		8.38	2.02	3.92	.40				783				
			30	38	32	1		57	14	27	3								
03S/01E-09P01 M 06/10/66 1615	--	1350	106	68	92	3.5	0.0	521	81	147	22	--	1.6	--	802	544	117		
			5.29	5.59	4.00	.09		8.54	1.68	4.15	.35				776				
			35	37	27	1		58	11	28	2								

LIVERMORE VALLEY (2-10.00)

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	PH LAH FLD	TEMP	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER		
			CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SI02	TDS	TH	NCH		
03S/01E-10E01 M 06/10/66 1400	-- 8.2	950	61	50	7*	2.5	0.0	3.91	58	89	7.8	--	1.3	--	568	358			
			3.04	4.11	3.22	.06		6.41	1.21	2.51	.13				545	38			
			29	39	31	1		62	12	24	1								
03S/01E-10K01 M 06/14/66 1330	-- 8.0	617	58	26	32	2.1	0.0	2.51	54	38	5.2	--	0.3	--	407	250			
			2.89	2.14	1.39	.05		4.12	1.12	1.07	.08				339	44			
			45	33	21	1		64	16	17	1								
03S/01E-11E01 M 06/10/66 1300	-- 8.3	1320	74	88	74	2.7	0.0	4.80	47	202	12	--	0.8	--	726	548			
			3.69	7.23	3.22	.07		7.22	4.9	5.70	.19				716	187			
			26	51	23			51	7	40	1								
03S/01E-11K01 M 06/10/66 1310	-- 8.3	961	57	60	56	2.4	0.0	3.65	45	113	18	--	0.6	--	535	389			
			2.84	4.93	2.44	.06		5.66	4.94	3.19	.29				521	106			
			28	48	24	1		56	9	32	3								
03S/01E-13P02 M 06/13/66 1530	-- 7.8	730	55	28	57	2.0	0.0	2.97	40	62	1.5	--	1.0	--	412	252			
			2.74	2.30	2.44	.05		4.97	.83	1.75	.02				392	9			
			36	30	33	1		65	11	23									
03S/01E-15L01 M 06/14/66 1035	-- 8.3	688	43	44	39	2.0	0.0	2.85	39	48	24	--	0.4	--	389	287			
			2.15	3.62	1.70	.05		4.67	.81	1.35	.39				379	54			
			29	48	23	1		65	11	19	5								
03S/01E-19A05 M 06/14/66 1100	-- 8.0	663	62	32	32	1.9	0.0	2.99	47	33	12	--	0.3	--	381	288			
			3.09	2.63	1.39	.05		4.50	.98	.93	.19				367	43			
			43	37	19	1		70	14	13	3								
03S/02E-04K01 M 06/10/66 1335	-- 7.9	552	50	25	27	1.5	0.0	2.27	41	33	14	--	0.2	--	312	228			
			2.50	2.06	1.17	.04		3.72	.85	.93	.23				303	42			
			43	36	20	1		65	15	16	4								
03S/02E-06P01 M 06/13/66 1350	-- 8.3	1000	53	64	70	2.4	0.0	3.91	103	95	6.0	--	1.7	--	568	397			
			2.64	5.26	3.05	.06		6.41	2.14	2.68	.10				547	77			
			24	48	24	1		57	19	24	1								
03S/02E-07K01 M 06/13/66 1410	-- 7.9	821	54	60	27	1.9	0.0	3.59	42	56	25	--	0.6	--	460	383			
			2.69	4.93	1.17	.05		5.89	.87	1.58	.40				442	89			
			30	56	13	1		67	10	18	5								

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
			CA	MG	NA	K	CU3	HCO3	SO4	CL	NO3	F	B	S102	TDS	TH	NCH	
03S/02E-08H01 M 06/14/66 1510	--	8.8	718	32	33	71	2.0	28	221	28	68	17	--	0.8	--	4.07	216	0
03S/02E-10H01 M 06/13/66 132J	--	8.3	834	44	34	81	2.3	0.0	273	59	84	19	--	1.4	--	4.76	251	27
03S/02E-29U01 M 06/13/66 1435	--	8.3	758	66	32	51	2.2	0.0	304	59	60	11	--	0.4	--	4.36	297	48
03S/03E-19C01 M 06/13/66 124U	--	8.2	1630	36	44	250	3.0	0.0	536	73	212	0.7	--	6.8	--	9.44	273	0
11S/02E-27A01 M 09/28/66 095U	--	8.6	720	85	21	43	--	15	264	--	55	--	--	0.0	--	--	300	59
12S/01E-11L02 M 09/30/66 094U	--	8.5	429	31	22	21	--	3.0	181	--	24	--	--	0.0	--	--	167	14
12S/01E-11N01 M 09/30/66 095U	--	8.3	544	34	30	24	--	0.0	152	--	55	--	--	0.0	--	--	210	86
12S/01E-14J01 M 09/30/66 1015	--	--	413	--	--	--	--	--	--	--	27	34	--	--	--	--	--	--
12S/01E-23R01 M 06/13/66 0915	--	--	602	--	--	--	--	--	--	--	76	85	--	--	--	--	--	--

CENTRAL COASTAL REGION (No. 3)

PAJARO VALLEY (3-2.00)

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME LAB SAMPLE	PH LAB FLD	TEMP	MINERAL CONSTITUENTS IN			MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH	
			CA	MG	NA	K	CU3	HC03	S04	CL	NO3	F	B			SI02
12S/01E-23R01 M 09/28/66 1130	--	623	--	--	--	--	--	--	28	--	--	--	--	--	--	--
12S/01E-24U01 M 09/29/66 140J	8.3	520	36	28	28	0.0	244	--	26	--	0.1	--	--	--	205	5
12S/01E-24L01 M 07/21/66 124J	--	820	--	--	--	--	--	--	92	--	--	--	2.59	--	--	--
12S/01E-24L02 M 06/22/66 184J	--	894	--	--	--	--	--	--	124	--	--	--	3.50	--	--	--
12S/01E-24U01 M 06/24/66 082U	--	468	--	--	--	--	--	--	17	--	--	--	.48	--	--	--
12S/01E-24U01 M 09/28/66 122S	--	481	--	--	--	--	--	--	19	--	--	--	.54	--	--	--
12S/01E-25B02 M 06/17/66 1045	--	494	--	--	--	--	--	--	22	--	--	--	.62	--	--	--
12S/01E-25B02 M 09/28/66 121U	--	495	--	--	--	--	--	--	23	--	--	--	.65	--	--	--
12S/01E-25B03 M 06/17/66 143U	--	628	--	--	--	--	--	--	67	--	--	--	1.89	--	--	--
12S/01E-25C01 M 06/17/66 150U	--	451	--	--	--	--	--	--	154	--	--	--	4.34	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLER	TEMP FLI	PH LAH	EC LAH FLU	LA	MG	NA	K	MILLIEQUIVALENTS IN				MILLIGRAMS PER LITER				F	B	S102	TH TDS SUM	NCH
								CO3	HCO3	SO4	CL	NO3	CO3	HCO3	SO4					
125/01E-25C01 M 09/28/66 1200	--	--	972	--	--	--	--	--	--	--	--	--	--	168 4.74	--	--	--	--	--	--
125/01E-36F02 M 07/21/66 1350	--	--	1130	--	--	--	--	--	--	--	--	--	--	112 3.16	--	--	--	--	--	--
125/02E-07K01 M 09/30/66 0900	--	--	591	--	--	--	--	--	--	--	--	--	--	42 1.18	--	--	--	--	--	--
125/02E-18J01 M 06/22/66 1030	--	--	478	--	--	--	--	--	--	--	--	--	--	17 .48	--	--	--	--	--	--
125/02E-18K02 M 06/17/66 0830	--	--	436	--	--	--	--	--	--	--	--	--	--	15 .42	--	--	--	--	--	--
125/02E-18K02 M 09/30/66 0800	--	5.3	456	44	18	25	--	0.0	215	--	14	--	0.1	39	--	0.1	--	--	185	9
125/02E-19C01 M 09/28/66 1240	--	--	535	2+20	1.48	1.07	--	--	3+53	--	16	--	--	.45	--	--	--	--	--	--
125/02E-19E01 M 06/23/66 1300	--	--	510	--	--	--	--	--	--	--	40	--	--	1.13	--	--	--	--	--	--
125/02E-19E02 M 06/23/66 1215	--	--	578	--	--	--	--	--	--	--	36	--	--	1.02	--	--	--	--	--	--
125/02E-19M01 M 06/14/66 1345	--	--	1060	--	--	--	--	--	--	--	164	--	--	4.62	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				F	P	S	102	TH TDS SUM	NCH
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	CO ₃	HCO ₃	SO ₄						
125/02E-19M01 M 09/28/66 1330	--	--	1090	--	--	--	--	--	--	--	--	174	4.91	--	--	--	--	--	--	--	--
125/02E-19M02 M 06/24/66 074J	--	--	2240	--	--	--	--	--	--	--	--	559	15.76	--	--	--	--	--	--	--	--
125/02E-30F03 M 06/15/66 160J	--	--	513	--	--	--	--	--	--	--	--	25	.71	--	--	--	--	--	--	--	--
125/02E-30N01 M 07/19/66 0145	--	--	715	--	--	--	--	--	--	--	--	68	1.92	66	1.06	--	--	--	--	--	--
125/02E-30P01 M 06/16/66 1415	--	--	651	--	--	--	--	--	--	--	--	65	1.83	--	--	--	--	--	--	--	--
125/02E-30P01 M 09/28/66 140J	--	--	687	--	--	--	--	--	--	--	--	71	2.00	--	--	--	--	--	--	--	--
125/02E-30P02 M 09/28/66 1445	--	--	649	--	--	--	--	--	--	--	--	55	1.55	--	--	--	--	--	--	--	--
125/02E-30H02 M 09/29/66 1300	--	--	665	--	--	--	--	--	--	--	--	39	1.10	--	--	--	--	--	--	--	--
125/02E-31C03 M 06/16/66 084U	--	--	507	--	--	--	--	--	--	--	--	42	1.18	--	--	--	--	--	--	--	--
125/02E-31A01 M 07/19/66 123U	--	--	1620	--	--	--	--	--	--	--	--	377	10.63	--	--	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLD	PH FLD	EC L/CM FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	N03	F	B	SI02	TDS SUM		
125/02E-32C01 M 00700/66	--	--	593	--	--	--	--	--	--	45	--	--	1.27	--	--	--	--	--
125/02E-32K01 M 06/21/66 1115	--	--	544	--	--	--	--	--	--	68	--	--	2.48	--	--	--	--	--
125/02E-32K01 M 09/29/66 122U	--	8.3	566	28	19	57	--	0.0	108	--	81	--	2.28	--	0.0	--	--	148 60
125/02E-32N01 M 09/21/66 140U	--	--	529	--	--	--	--	--	--	41	--	--	1.16	--	--	--	--	--
125/02E-32K01 M 09/29/66 120U	--	--	645	--	--	--	--	--	--	45	--	--	1.27	--	--	--	--	--
125/03E-07B01 M 09/28/66 1045	--	8.5	1320	106	65	91	--	15	405	--	91	--	2.57	--	0.6	--	--	533 176
125/03E-09B01 M 09/28/66 1015	--	--	1690	--	--	--	--	--	--	189	--	--	5.33	--	1.4	--	--	--
135/01E-01A01 M 07/21/66 091U	--	--	2230	--	--	--	--	--	--	526	3.8	--	14.83	0.6	0.1	--	--	--
135/02E-04F01 M 06/28/66 0915	--	--	733	--	--	--	--	--	--	74	--	--	2.09	--	--	--	--	--
135/02E-04B01 M 09/29/66 112U	--	--	731	--	--	--	--	--	--	116	--	--	3.27	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAH FLD	EC LAB FLD	CA	MG	NA	K	CU3	MCU3	MILLIGRAMS PER LITER PERCENT REAGENCE VALUE				NO3	F	Cl	SO4	MILLIGRAMS PER LITER			
									CU3	MCU3	SO4	CL					NO3	SO2	Cl	SO2
135/02E-04K01 M 06/24/65 1240	--	691	--	--	--	--	--	--	--	--	84	2.37	--	--	--	--	--	--	--	--
135/02E-05B02 M 07/22/66	--	741	--	--	--	--	--	--	--	--	122	3.44	--	--	--	--	--	--	--	--
135/02E-05E01 M 06/23/66 0850	--	737	--	--	--	--	--	--	--	--	67	1.69	--	--	--	--	--	--	--	--
135/02E-05M01 M 07/21/66 9200 0955	--	1350	--	--	--	--	--	--	--	0.0	115	193	3.24	3.11	--	--	--	--	--	--
135/02E-06C01 M 07/18/66 0130	--	2500	--	--	--	--	0.1	--	--	1.09	531	62	4.14	14.97	1.32	--	--	--	0.2	--
135/02E-06C02 M 06/22/66 1620	--	2490	--	--	--	--	--	--	--	--	541	--	--	--	--	--	--	--	--	--
135/02E-06C03 M 06/22/66 1630	--	1080	--	--	--	--	--	--	--	--	164	--	--	--	--	--	--	--	--	--
135/02E-06E01 M 06/22/66 1130	--	1540	--	--	--	--	--	--	--	--	246	--	--	--	--	--	--	--	--	--
135/02E-06E02 M 07/18/66 0145	--	1720	--	--	--	--	--	--	--	--	351	24	--	--	--	--	--	--	--	--
135/02E-06F01 M 06/22/66 1510	--	1150	--	--	--	--	--	--	--	--	173	--	--	--	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAH SAMPLE#	TEMP F	PM LAH FLO	EC LAH FLO	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
									CO ₃	HCO ₃	SU ₄	CL	NO ₃	F	H	SI0 ₂	TDS	TH	NCH
135/02E-06L01 M 06/22/66 0840		--	--	1100	--	--	--	--	--	--	311	--	--	--	--	--	--	--	--
135/02E-06L02 M 06/22/66 1030		--	--	778	--	--	--	--	--	--	72	--	--	--	--	--	--	--	--
135/02E-06P01 M 09/29/66 1035		--	8.6	1230	22	5.6	231	--	12	182	--	221	--	0.2	--	--	--	79	0
135/02E-07B02 M 06/23/66 1015		--	--	1810	--	--	--	--	--	--	--	227	--	--	--	--	--	--	--
135/02E-07B02 M 09/29/66 1020		--	--	2830	--	--	182	--	7.92	--	--	479	--	--	--	--	--	--	--
135/02E-07B03 M 09/29/66 1000		--	--	1810	--	--	--	--	--	--	--	235	--	--	--	--	--	--	--
135/02E-31A02 M 06/23/66 1430		--	--	467	--	--	--	--	--	--	--	50	--	--	--	--	--	--	--

GILROY-HOLLISTER BASIN (3-3.00)

09S/03E-25N03 M 06/02/66 1100		--	--	479	--	--	--	--	--	--	--	21	--	--	--	--	--	--	--
10S/03E-01L02 M 06/02/66 1045		--	--	481	--	--	--	--	--	--	--	15	26	0.0	--	--	--	42	42

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP FLD	PH LAH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	MCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH MCH
105/03t-23J01 M 06/02/66 1200	--	8.4	464	42 2.10	15 1.23	14 .74	--	2.0 .07	180 2.95	--	23 .65	38 .61	--	8.0	--	--	168 17
105/03t-26J01 M 06/02/66 1225	--	--	425	--	--	--	--	--	--	--	22 .62	23 .37	--	--	--	--	--
105/04t-18G02 M 06/02/66 1000	--	8.1	507	47 2.35	18 1.48	14 .76	--	0.0 3.61	220 3.61	--	40 1.13	28 .45	--	0.1	--	--	192 12
105/04t-18J01 M 06/02/66 0950	--	--	453	--	--	--	--	--	--	--	17 .48	--	--	--	--	--	--
105/04t-28U02 M 06/02/66 0940	--	--	570	--	--	--	--	--	--	--	30 .85	--	--	--	--	--	--
105/04t-34L05 M 06/02/66 0910	--	8.0	694	69 3.44	10 1.32	42 1.83	--	0.0 4.95	302 4.95	--	39 1.10	34 .55	--	0.1	--	--	236 0
115/04t-03L02 M 06/02/66 1300	--	--	1120	--	--	--	--	--	--	--	88 2.48	--	--	--	--	--	--
115/04t-04U03 M 06/02/66 0835	--	--	844	--	--	--	--	--	--	--	24 .68	85 1.37	--	0.0	--	--	--
115/04t-21802 M 06/02/66 0810	--	8.5	766	86 4.29	21 1.73	24 1.13	--	10 .33	304 4.99	--	29 .82	47 .76	--	0.1	--	--	303 37
115/05t-26U03 M 06/01/66 1450	--	--	658	--	--	--	--	--	--	--	108 3.05	--	--	2.2	--	--	--

TABLE B-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME LAH SAMPLE	PH	EC LAH FLD	TEMP	CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	MILLIGRAMS PER LITER				TDS SUM	TH NCH
													F	B	S102	MILLIGRAMS PER LITER		
115/05E-27M01 M 06/01/66 1505	8.3	529		55	13	25	--	0.0	250	--	22	2.6	--	0.2	--	--	190	0
125/04E-34P02 M 06/01/66 0940	8.3	2190		245	4.2	160	--	0.0	453	--	289	18	--	0.4	--	--	629	258
125/04E-35C01 M 06/01/66 0950	--	1840		--	--	--	--	--	--	--	408	114	--	0.8	--	--	--	--
125/04E-36B01 M 06/01/66 1010	8.3	2170		120	106	186	--	0.0	660	--	159	8.2	--	1.3	--	--	734	193
125/05E-28P01 M 10/04/65	8.6	1420		47	91	127	3.0	20	505	216	83	2.3	--	--	--	863	493	46
125/05E-28P01 M 11/05/65 1500	8.3	1440		71	87	127	2.9	0.0	608	202	82	3.0	--	--	--	872	534	36
125/05E-28P01 M 12/07/65 1355	8.5	1430		75	85	135	3.0	23	563	203	85	2.2	--	--	--	869	539	39
125/05E-33A01 M 06/01/66 1030	8.5	1710		117	45	176	--	17	769	--	94	4.9	--	0.8	--	--	478	0
125/05E-33C01 M 10/04/65 1410	8.7	1220		51	66	116	4.5	28	387	177	73	1.8	--	--	--	769	401	37
125/05E-33C01 M 11/05/65 1450	8.6	1200		54	65	113	4.4	19	403	194	75	0.1	--	--	--	734	402	40

TABLE B-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TH SUM	
							CO3	HCO3	SO4	CL	NO3	F	B	D		S102
125/05E-33C01 M 12/07/65 1345	-- 8.3	1220	54	67	116	4.3	0.0	4.50	1.94	74	0.8	--	--	--	740	409
			2.64	5.21	5.05	11		7.38	4.04	2.09	0.1				731	40
			20	41	34	1		55	30	15						
125/05E-33004 M 10/04/65 1430	-- 8.5	2160	37	113	254	7.6	15	4.34	4.60	208	12	--	--	--	1400	558
			1.85	9.29	11.05	1.9	0.50	7.12	9.57	5.87	0.9				1319	177
			8	42	49	1	2	31	41	25	1					
125/05E-33004 M 11/05/65 1420	-- 8.4	2230	68	116	266	7.0	12	5.34	4.67	214	12	--	--	--	1480	645
			3.59	9.54	11.57	1.8	0.40	8.76	9.71	6.03	0.9				1424	187
			14	39	47	1	2	35	39	24	1					
125/05E-33004 M 12/07/65 1430	-- 8.2	2250	72	117	270	6.8	0.0	5.78	4.70	208	13	--	--	--	1450	662
			3.59	9.62	11.75	1.7		9.48	9.78	5.87	0.21				1440	188
			14	38	47	1		37	39	23	1					
125/05E-33F M 10/04/65 1345	-- 8.4	1740	72	105	164	4.2	20	6.35	2.66	98	0.7	--	--	--	1110	612
			3.59	8.63	7.35	1.1	0.67	10.41	5.95	2.76	0.1				1066	58
			18	44	37	1	3	53	30	14						
125/05E-33F M 11/05/65 1440	-- 8.6	1750	76	109	165	4.2	33	6.48	2.77	96	1.5	--	--	--	1070	640
			3.79	8.96	7.18	1.1	1.10	10.63	5.76	2.71	0.2				1079	54
			19	45	35	1	5	53	28	13						
125/05E-33H02 M 10/04/65 1330	-- 8.2	1840	46	128	175	4.0	0.0	6.81	2.80	116	6.7	--	--	--	1140	644
			2.30	10.52	7.61	1.0		11.17	5.82	3.27	0.1				1089	86
			11	51	37			55	29	16	1					
125/05E-33H02 M 11/05/65 1515	-- 8.3	1790	48	130	164	3.9	0.0	7.10	2.83	113	6.6	--	--	--	1120	654
			2.40	10.69	7.35	1.0		11.64	5.89	3.19	0.1				1101	72
			12	52	36			56	28	15	1					
125/05E-33H02 M 12/07/65 1335	-- 8.1	1910	102	126	175	3.7	0.0	8.88	2.62	109	4.6	--	--	--	1210	776
			5.09	10.36	7.61	0.9		14.56	5.45	3.07	0.7				1217	48
			22	45	33			63	24	13						
125/05E-34H01 M 10/04/65 1320	-- 8.4	1250	52	68	114	3.0	3.0	3.74	2.26	80	6.1	--	--	--	773	412
			2.59	5.59	4.96	0.8	1.0	6.13	4.70	2.26	1.0				735	101
			20	42	34	1	1	46	35	17	1					

TABLE B-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN								MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS			
			CA	MG	NA	K	CU3	HCO3	SO4	CL	NO3	F	B	S102	SUM	TH	NCH	
125/05E-34M01 M 11/05/65 1925	8.6	1210	54 269 20	70 5.75 42	115 5.05 37	3.1 .08 1	18 5.87 4	346 4.71 42	236 2.31 36	62 1.0 17	6.0	---	---	801 755	422 109	---		
125/05E-34M01 M 12/07/65 1325	8.5	1260	60 249 22	88 5.59 41	111 4.94 35	2.8 .07 1	14 4.7 3	362 5.94 43	250 2.37 36	84 1.09 17	5.4	---	---	777 765	431 111	---		
125/05E-36A01 M 06/11/66 1245	---	1320	---	---	---	---	---	---	---	147 4.15	---	---	---	---	---	---		
125/06E-07M02 M 06/11/66 1400	8.3	412	31 155	0.8 .07	54 2.35	---	0.0 3.61	220 ---	---	4.4 .12	0.3	---	---	---	81 0	---		
125/06E-19E02 M 06/11/66 1330	---	1520	---	---	---	---	---	---	---	318 6.97	---	---	---	---	---	---		
125/06E-31E01 M 06/11/66 1305	8.5	2440	51 2454	43 3.53	397 17.27	---	21 .70	496 8.13	---	490 13.82	1.0 .02	---	---	---	303 0	---		
135/05E-03J01 M 06/11/66 1050	---	1420	---	---	---	---	---	---	---	267 5.55	---	---	---	---	---	---		
135/05E-11B05 M 06/11/66 1115	---	1540	---	---	---	---	---	---	---	303 6.30	---	---	---	---	---	---		
135/05E-11E01 M 05/11/66 1220	---	1430	---	---	---	---	---	---	---	284 5.60	---	---	---	---	---	---		
SALINAS VALLEY (3-4.00) 125/03E-19M01 M 08/18/66 1110	---	430	---	---	---	---	---	---	---	64 1.80	---	---	---	---	---	---		

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLED	PH LAH FLD	EC LAH FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				F	H	S102	TDS SUM	TH NCH
							CU3	HC03	SO4	CL	NO3	CL	SO4	NO3					
135/02E-01K01 M 08/18/66 1130	-- 7.6	292	14 0.70 26	9.2 .76 28	29 1.22 42	1.2 .03	0.0	68 1.12 41	6.9 .14 5	28 .79 29	42 .68 25	--	0.1	--	--	157 163	73 17		
135/02E-07H01 M 07/12/66 0100	--	991	--	--	--	--	--	--	--	130 3.67	--	--	--	--	--	--	--		
135/02E-13N01 M 08/18/66 0435	--	236	--	--	--	--	--	--	--	36 1.02	--	--	--	--	--	--	--		
135/02E-17H01 M 07/12/66 0145	-- 6.3	1580	68 3.39 23	42 1.45 24	175 7.66 53	1.1 .03	0.0	204 3.35 23	41 .85 6	361 10.18 71	2.1 .03	--	0.3	--	--	990 791	342 175		
135/02E-19H01 M 07/12/66 0300	--	1100	--	--	--	--	--	--	--	222 6.26	--	--	--	--	--	--	--		
135/02E-20J01 M 07/13/66 0945	--	1230	--	--	--	--	--	--	--	207 5.84	47 .76	--	--	--	--	--	--		
135/02E-31J02 M 07/13/66 0100	--	1220	--	--	--	--	--	--	--	301 8.49	--	--	0.2	--	--	--	--		
135/02E-31K02 M 07/13/66 0230	--	997	--	--	--	--	--	--	--	94 2.65	--	--	--	--	--	--	--		
135/02E-31M02 M 07/13/66 0300	--	1260	--	--	--	--	--	--	--	264 7.44	--	--	--	--	--	--	--		
135/02E-31N02 M 07/13/66 0315	--	1310	--	--	--	--	--	--	--	269 7.59	--	--	--	--	--	--	--		

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAH TIME SAMPLE	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER						
				CA	MG	NA	K	CU3	HC03	SO4	CL	NO3	F	H	SI02	TUS	TH	
135/02E-32A02 M 07/13/66 1200	--	--	631	--	--	--	--	--	--	73	2.06	--	--	--	--	--	--	--
135/02E-32C01 M 07/13/66 0145	--	--	563	--	--	--	--	--	--	54	1.52	--	--	--	--	--	--	--
135/02E-32N01 M 07/14/66 1200	--	--	655	--	--	--	--	--	--	66	1.86	--	--	--	--	--	--	--
135/02E-33R01 M 07/21/66 0215	--	7.2	910	79	27	62	3.1	0.0	25.3	77	110	7.9	--	0.1	--	544	307	
				3.94	2.22	2.70	.08		4.15	1.60	3.10	.13				490	100	
				44	25	30	1		46	18	35	1						
135/03E-04L01 M 08/18/66 0232	--	7.7	344	13	9.0	38	0.9	0.0	89	2.0	47	13	--	0.0	--	236	71	
				.65	.74	1.65	.02		1.66	.04	1.33	.21				167	0	
				21	24	54	1		48	1	44	7						
135/03E-29A01 M 08/18/66 0400	--	--	527	--	--	--	--	--	--	--	98	--	--	--	--	--	--	--
											2.76							
145/01E-24A02 M 08/17/66 1140	--	--	1480	--	--	--	--	--	--	--	214	--	--	--	--	--	--	--
											6.03							
145/01E-25K01 M 08/17/66 1153	--	7.5	630	28	16	62	2.0	0.0	38	22	112	27	--	0.1	--	466	138	
				1.60	1.32	2.70	.05		.62	.66	3.16	.43				288	107	
				26	24	41	1		13	10	68	9						
145/02E-06U01 M 07/20/66 1020	--	--	651	--	--	--	--	--	--	--	60	--	--	--	--	--	--	--
											1.69							
145/02E-06R02 M 07/20/66 1000	--	--	614	--	--	--	--	--	--	--	55	--	--	--	--	--	--	--
											1.55							

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP FLD	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE						F	B	SI02	MILLIGRAMS PER LITER TDS SUM	TH NCH
								CO3	HCO3	SO4	CL	NO3						
14S/02E-08M02 M 07/20/66 1110	--	--	538	--	--	--	--	--	--	--	108	3.05	--	--	--	--	--	--
14S/02E-09K01 M 08/02/66 1305	--	--	4490	--	--	--	--	--	--	--	1220	34.40	--	--	--	--	--	--
14S/02E-11D01 M 07/14/66 0300	--	--	658	--	--	--	--	--	--	--	62	1.75	--	--	--	--	--	--
14S/02E-12J01 M 07/21/66 0330	--	--	551	--	--	--	--	--	--	--	40	1.13	--	--	--	--	--	--
14S/02E-14N01 M 07/21/66 0115	--	--	659	--	--	--	--	--	--	--	62	1.75	--	--	--	--	--	--
14S/02E-16A01 M 07/20/66 0300	--	--	728	--	--	--	--	--	--	--	51	1.44	--	--	--	--	--	--
14S/02E-18O01 M 07/29/66 1350	--	7.5	1580	139	43	112	7.5	0.0	274	200	251	4.1	0.2	--	1010	525	301	
				6.94	3.53	4.87	0.19		4.69	4.16	7.08	0.7			891			
				45	23	31	1		28	26	45							
14S/02E-23J01 M 07/22/66 1000	--	7.7	997	79	31	76	4.4	0.0	210	146	112	4.3	0.2	--	622	327	155	
				3.94	2.55	3.31	0.11		3.44	3.04	3.16	0.7			556			
				40	26	33	1		35	31	33	1						
14S/02E-24E01 M 07/21/66 0200	--	8.0	621	39	19	56	3.0	0.0	176	46	72	3.4	0.1	--	366	175	31	
				1.95	1.56	2.44	0.08		2.89	.96	2.03	0.5			325			
				32	26	47	1		49	16	34	1						
14S/02E-25B01 M 07/22/66 1230	--	--	1430	--	--	--	--	--	--	--	211	5.95	0.2	--	--	--	--	

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	PH LAH FLD	EC LAH FLD	CA	Mg	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE				F	B	S102	TDS SUM	TH NCH
							CU3	MCU3	SO4	CL					
145/02c-30P03 M 08/17/66 1220	--	602	--	--	--	--	--	--	--	85	--	--	--	--	--
										2.40					
145/02c-35001 M 08/03/66 0250	--	441	--	--	--	--	--	--	--	--	--	--	--	--	--
145/03c-30E01 M 07/22/66 1300	--	2048	--	--	--	--	--	--	--	239	364	4.97	10.26	--	--
145/03c-30F01 M 07/28/66 1425	--	1670	--	--	--	--	--	--	--	287	24	0.2	6.09	3.39	--
145/03c-33001 M 07/29/66 1000	--	8.2	661	62	32	62	3.6	0.0	219	72	113	4.3	4.3	0.1	566
			3.09	2.63	2.70	0.9	0.9	3.59	1.20	3.19	0.7	0.7	4.56	1.07	456
			36	31	32	1	1	43	16	38	1	1	1	1	107
155/01c-22C01 M 08/17/66 0118	--	8.2	849	53	23	74	3.4	0.0	196	67	120	7.3	7.3	0.1	504
			2.64	1.89	3.44	0.9	0.9	3.21	1.39	3.38	1.2	1.2	4.49	0.67	449
			33	23	43	1	1	40	17	42	1	1	1	1	67
155/01c-23001 M 08/19/66 1440	--	941	--	--	--	--	--	--	--	115	--	--	3.24	--	--
155/01c-26002 M 08/19/66 1500	--	7.8	522	17	9.4	63	1.6	0.0	62	18	88	36	36	0.0	308
			4.95	4.77	2.74	0.4	0.4	1.02	0.37	2.48	0.8	0.8	2.65	0.35	265
			21	17	61	1	1	23	8	56	13	13	13	13	35
155/02c-01A03 M 07/20/66 0950	--	452	--	--	--	--	--	--	--	--	--	--	--	--	--
155/02c-02001 M 07/20/66 1245	--	1000	--	--	--	--	--	--	--	247	82	--	5.14	2.31	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME SAMPLER	TEMP FLD	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				NO3	F	H	MILLIGRAMS PER LITER					
										504	CL	502	TDS SUM				TH MCH					
155/03E-04K03 M 07/29/60 0230	--	--	684	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
155/03E-05J04 M 07/21/60 0165	--	--	2290	--	--	--	--	--	--	695	250	1446	705	--	0.6	--	--	--	--	--		
155/03E-07J02 M 07/20/60 020J	--	--	401	--	--	--	--	--	--	70	12	146	34	--	--	--	--	--	--	--		
155/03E-17P01 M 08/01/60 024J	--	6.2	1000	23	48	106	15	0.0	328	37	132	5.6	5.6	--	0.2	--	--	522	257	528	0	
165/02E-01L01 M 08/01/60 1165	--	--	634	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
165/02E-03J01 M 08/01/60 0245	--	6.4	685	80	18	76	2.9	10	244	44	121	1.7	1.7	--	0.1	--	--	530	276	473	60	
165/04E-14A01 M 07/25/60 113J	--	--	1930	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
175/05E-09A01 M 07/14/60 1154	--	6.4	570	59	21	27	2.1	8.0	163	82	23	0.2	0.2	--	0.2	--	--	341	232	312	69	
175/06E-07A01 M 07/13/60 0304	--	6.2	690	52	20	53	2.9	0.0	180	114	55	4.6	4.6	--	0.2	--	--	412	230	393	83	
185/06E-01E01 M 07/13/60 1104	--	--	647	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH	EC L/CM FLU	CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TH NCH	
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	S102		TUS
185/08E-24001 M 08/09/66 0955	--	--	1300	--	--	--	--	--	292	71	49	--	--	--	--	--	--
185/08E-28001 M 08/09/66 0250	--	8.0	544	67	18	23	3.0	0.0	171	86	36	--	0.1	--	345	262	102
185/07E-20001 M 08/09/66 1045	--	8.0	2730	274	134	154	4.8	0.0	170	976	273	8.9	0.8	--	2300	1250	1095
185/07E-29001 M 07/13/66 0948	--	7.4	3110	342	144	82	5.4	0.0	373	826	322	58	0.4	--	1400	1465	1160
195/07E-10001 M 08/01/66 1155	--	8.1	922	74	40	50	2.3	0.0	194	104	120	17	0.3	--	600	348	184
195/08E-33001 M 08/01/66 0244	--	--	3190	--	--	--	--	--	7010	315	37	--	1.5	--	--	--	--
205/08E-15001 M 08/01/66 0325	--	8.0	1640	106	31	180	3.8	0.0	254	404	155	19	1.1	--	1090	475	263
205/08E-24001 M 08/09/66 0100	--	8.0	3710	217	81	422	8.0	0.0	254	546	172	3.7	2.5	--	2390	874	666
215/08E-24001 M 07/19/66 0130	--	8.1	1000	153	90	145	3.6	0.0	275	602	101	21	0.5	--	1380	752	527
225/10E-11001 M 07/19/66 1158	--	7.7	501	46	17	27	1.4	0.0	192	30	26	2.0	0.1	--	297	184	27

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
				CA	MG	NA	K	CU3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH
225/10c-14601 M 07/19/66 1242	--	8.0	850	55 2.74 32	30 2.47 29	73 3.18 38	3.6 .09 1	0.0	216	122	90	4.6	--	0.4	--	520	262
235/08c-08801 M 08/11/66 0132	--	--	309	--	--	--	--	--	3.54	2.54	2.54	.07	--	--	--	484	85
CARMEL VALLEY (3-7.00)	--	--	977	--	--	--	--	--	--	--	1.44	--	--	--	--	--	--
165/01w-13L02 M 08/19/66 0245	--	--	825	--	--	--	--	--	--	--	4.06	--	--	--	--	--	--
165/01w-13J02 M 08/19/66 1115	--	--	--	--	--	--	--	--	--	--	78	--	--	--	--	--	--
											2.20						

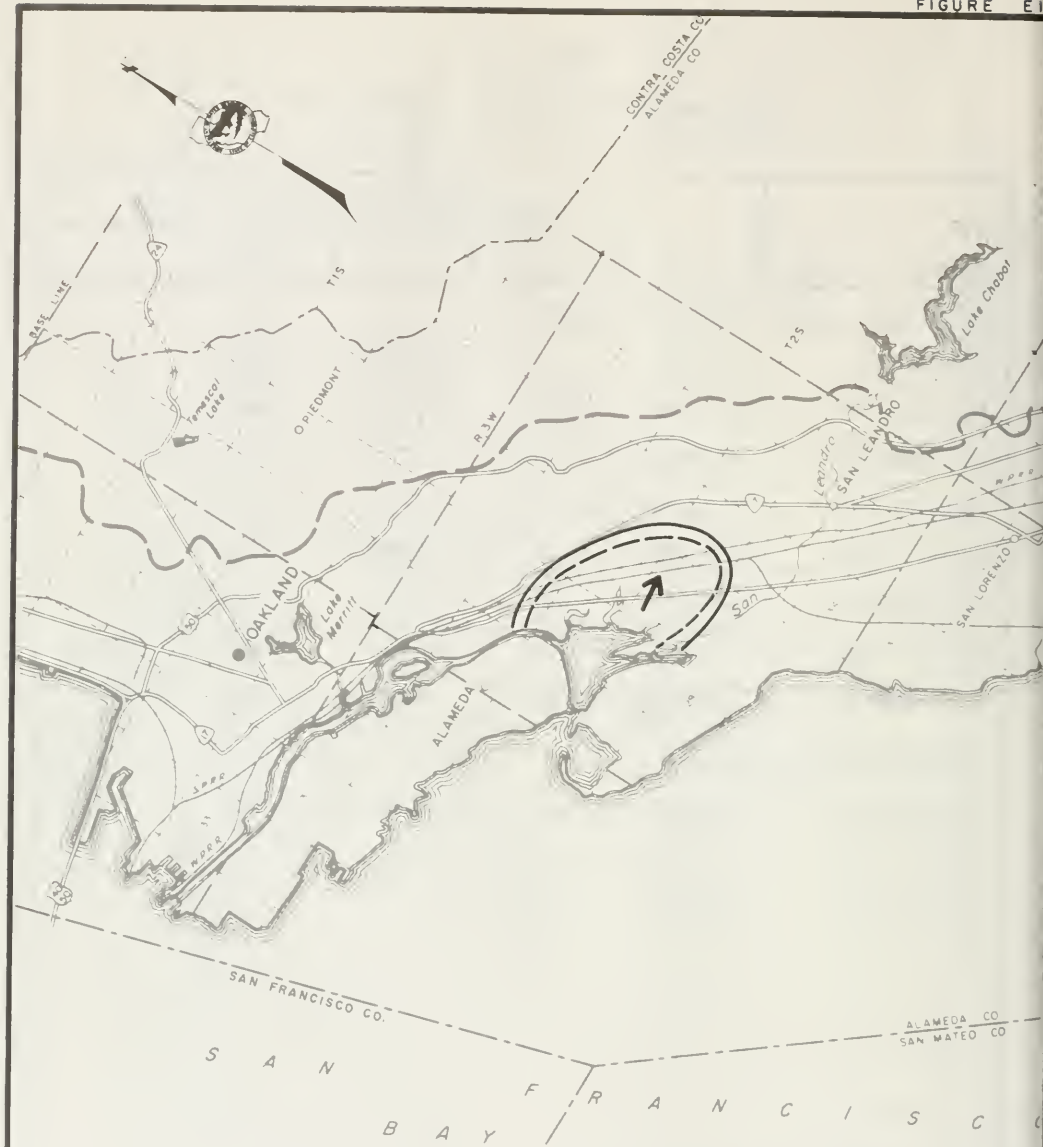
TABLE E-2
TRACE ELEMENT ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

State Well Number	Date	Constituents in Milligrams Per Liter													Analyzed by			
		(Al.)	(Be)	(Bi)	(Cd)	(Co)	(Cr)	(Cu)	(Fe)	(Ga)	(Ge)	(Mo)	(Ni)	(Pb)		(Ti)	(V)	(Zn)
4S/14-21P2-M	12-7-65	0.00					0.00	0.00	0.01		0.00	0.00	0.00	0.00			0.00	DMR
4S/14-21P2-M	3-9-66	0.00					0.01	0.00	0.00		0.00	0.00	0.00	0.00			0.00	DMR
4S/14-21P2-M	6-3-66	0.00					0.00	0.00	0.00		0.01	0.00	0.00	0.00			0.00	DMR
4S/14-21P2-M	9-13-66	0.00						0.01	0.03		0.01	0.00	0.00	0.00			0.00	DMR
4S/14-21P6-M	12-7-65	0.00						0.00	0.01		0.00	0.00	0.00	0.00			0.00	DMR
4S/14-21P6-M	3-9-66	0.00					0.02	0.00	0.00		0.00	0.00	0.00	0.00			0.03	DMR
4S/14-21P6-M	6-3-66	0.00					0.00	0.00	0.02		0.00	0.00	0.00	0.00			0.00	DMR
4S/14-21P6-M	9-13-66	0.00						0.00	0.01		0.00	0.00	0.00	0.00			0.00	DMR
12S/5E-20P1-M	10-4-65								0.00								0.00	DMR
12S/5E-33C1-M	10-4-65								0.01									DMR
12S/5E-33C1-M	11-5-65								0.01									DMR
12S/5E-33C1-M	12-7-65								0.02									DMR
12S/5E-33D4-M	10-4-65								0.06									DMR
12S/5E-33D4-M	11-5-65								0.24									DMR
12S/5E-33D4-M	12-7-65								0.06									DMR
12S/5E-33P-M	10-4-65								0.01									DMR
12S/5E-33P-M	11-5-65								2.00									DMR
12S/5E-33H2-M	11-5-65								0.07									DMR
12S/5E-33H2-M	12-7-65								2.30									DMR
12S/5E-34H1-M	10-4-65								0.13									DMR
12S/5E-34H1-M	11-5-65								0.15									DMR
12S/5E-34H1-M	12-7-65								0.10									DMR

TABLE E-3

MISCELLANEOUS CONSTITUENTS IN GROUND WATER

STATE WELL NUMBER	DATE	CONSTITUENTS IN MILLIGRAMS PER LITER			
		MBAS	As	Phenols	Se
SANTA CLARA VALLEY - EAST BAY (2-9.01)					
4S/1W-21F2-M	12-7-65	0.0	0.01	0.000	0.00
4S/1W-21F2-M	3-9-66	0.0	0.00	0.000	0.00
4S/1W-21F2-M	6-3-66	0.0	0.00	0.000	0.00
4S/1W-21F2-M	9-13-66	0.0	0.00	0.000	0.00
4S/1W-21P6-M	12-7-65	0.0	0.00	0.000	0.00
4S/1W-21P6-M	3-9-66	0.0	0.00	0.000	0.00
4S/1W-21P6-M	6-3-66	0.0	0.00	0.000	0.00
4S/1W-21P6-M	9-13-66	0.0	0.00	0.000	0.00
LIVERMORE VALLEY (2-10.00)					
3S/1E-12B1-M	10-13-65	2.1			
3S/1E-12B1-M	5-3-66	1.8			
3S/1E-12B1-M	9-20-66	1.6			



LEGEND

— APPROXIMATE LIMIT OF MONITORED AREA

1966 — LINE OF 350 PARTS PER MILLION CHLORIDE CONCENTRATION IN UPPER AQUIFER

1962 — LINE OF 350 PARTS PER MILLION CHLORIDE CONCENTRATION IN UPPER AQUIFER

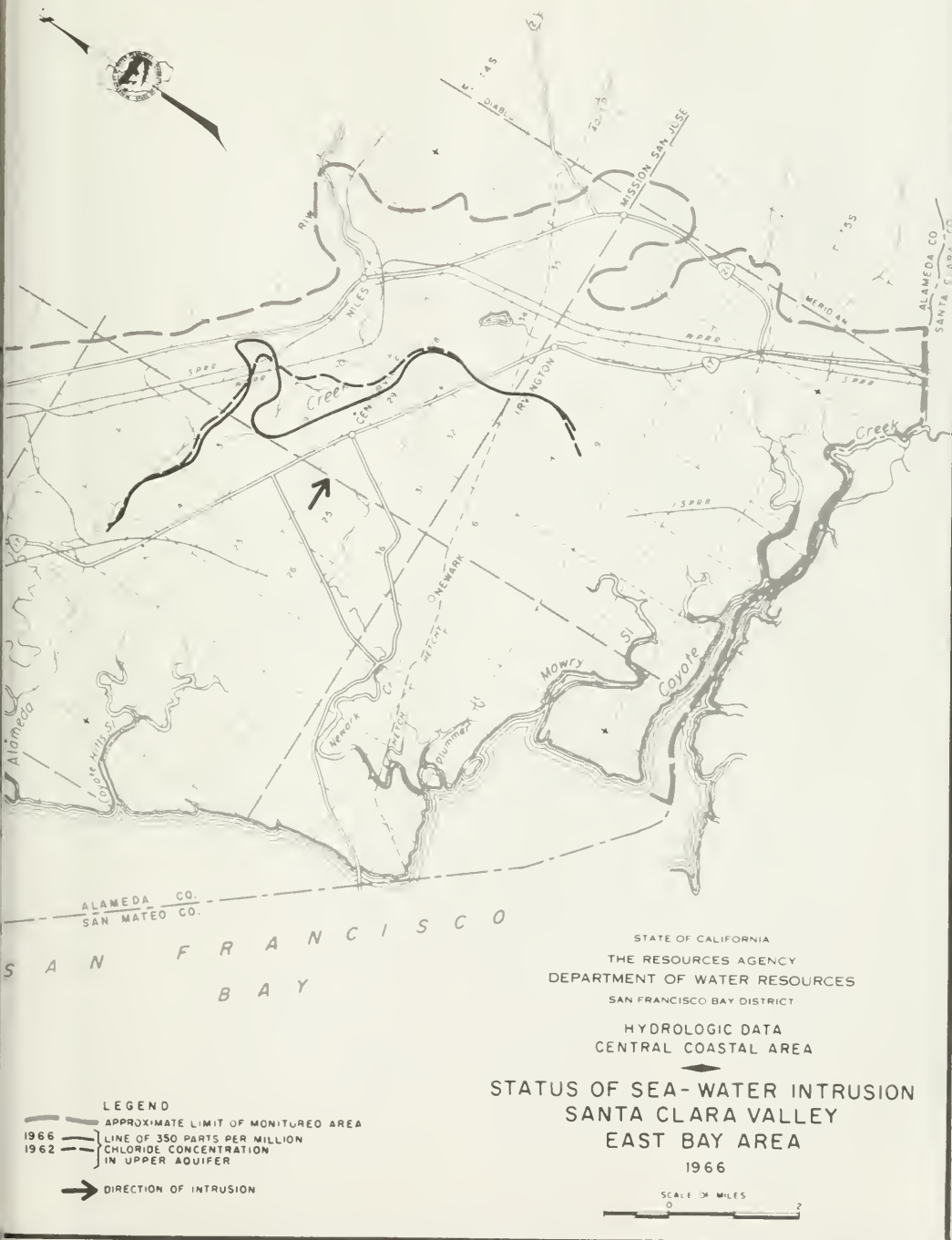
➔ DIRECTION OF INTRUSION

STATE OF CALIFORNIA
 THE RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
 SAN FRANCISCO BAY DISTRICT
 HYDROLOGIC DATA
 CENTRAL COASTAL AREA

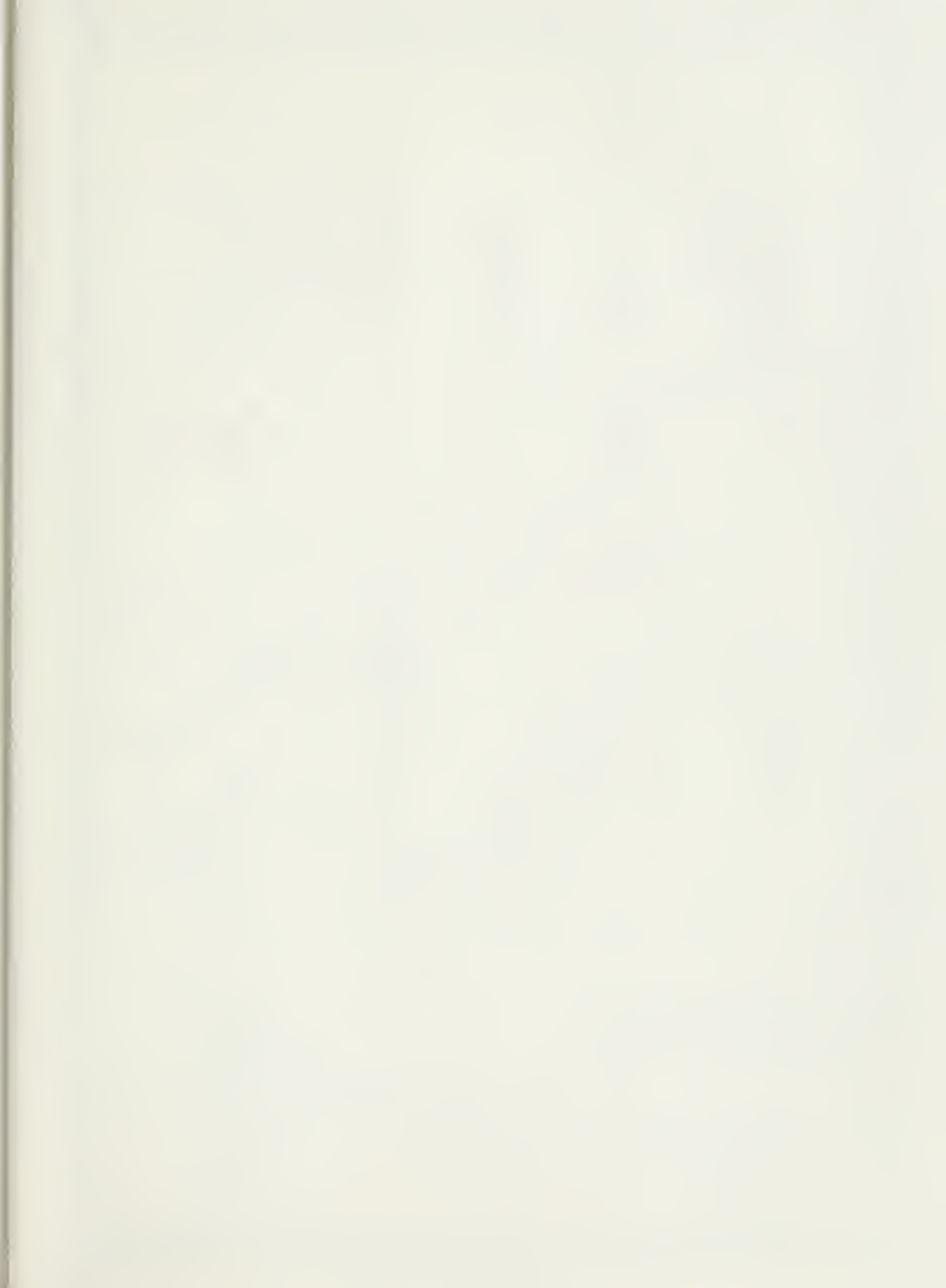
**STATUS OF SEA-WATER INTRUSION
 SANTA CLARA VALLEY
 EAST BAY AREA**

1966

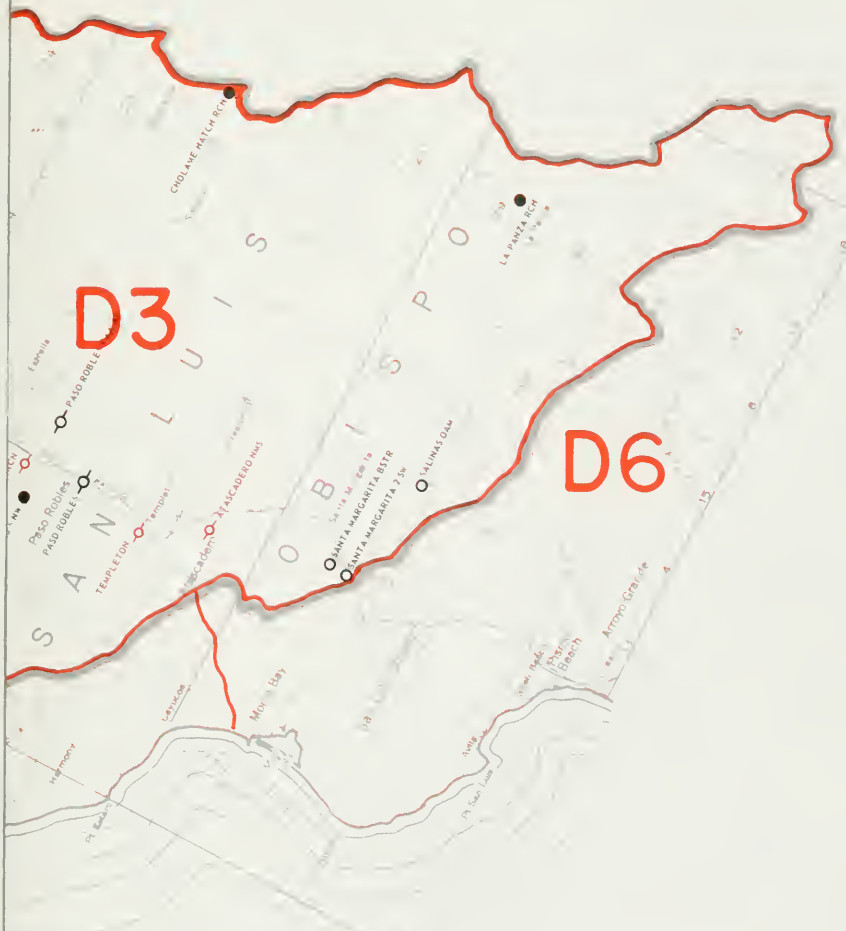
SCALE OF MILES
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LEGEND

TYPE OF DATA

- ● ○ PRECIPITATION ONLY
- ⊖ PRECIPITATION, STORAGE
- ● ⊖ PRECIPITATION AND TEMPERATURE
- ⊖ ● ⊖ PRECIPITATION, TEMPERATURE AND EVAPORATION

TYPE OF GAGE

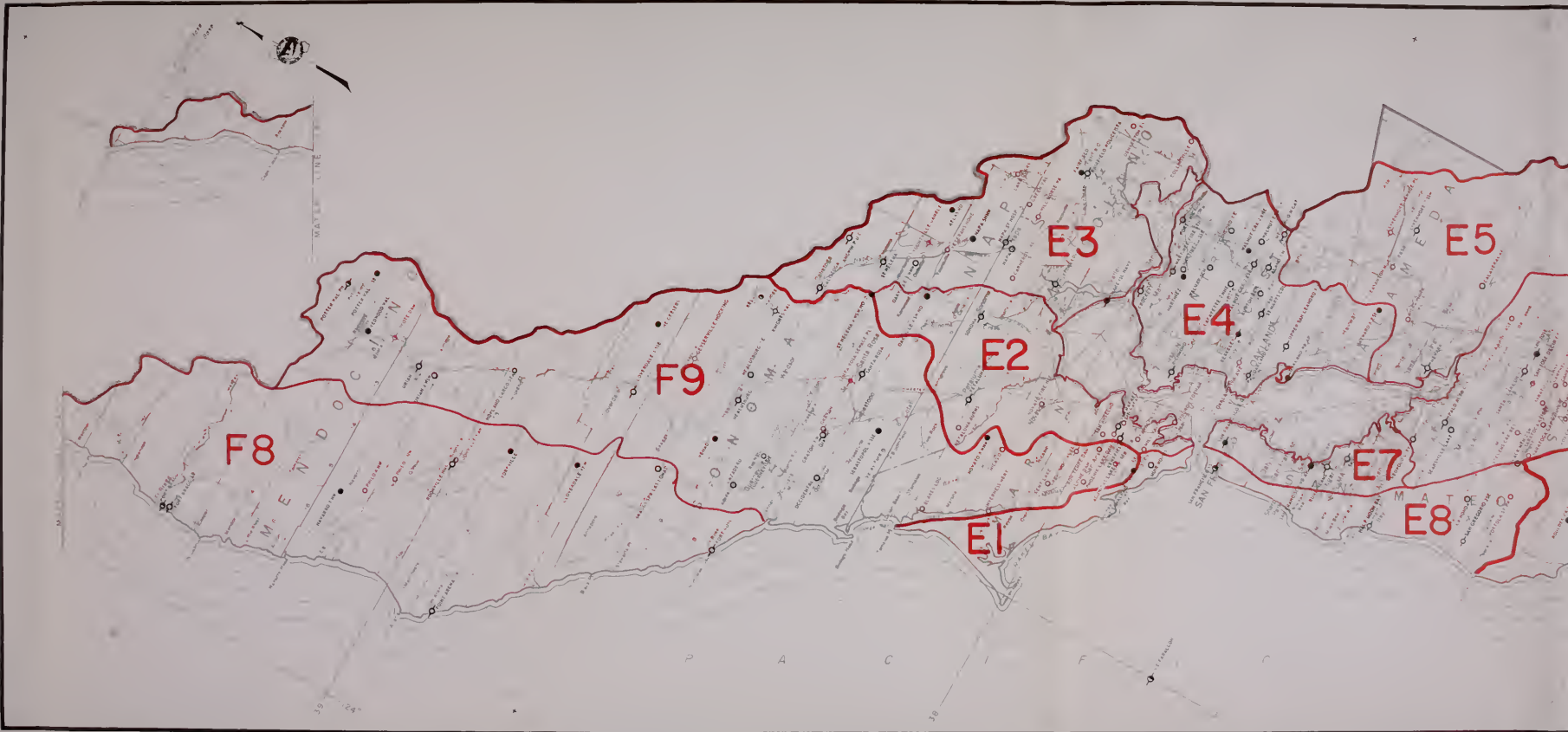
- NON-RECORDING
- RECORDING
- ⊖ BOTH TYPES

USWB STATIONS SHOWN IN BLACK
 OTHER STATIONS SHOWN IN RED

STATE OF CALIFORNIA
 THE RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
 SAN FRANCISCO BAY DISTRICT

**CLIMATOLOGICAL
 OBSERVATION
 STATIONS
 1965-66**





F8

F9

E1

E2

E3

E4

E5

E7

E8



+

NORTH

- 1-14.00
- 1-15.00
- 1-16.00
- 1-17.00
- 1-18.00
- 1-18.01
- 1-18.02
- 1-98.00

SAN FRAN

- 2-1.00
- 2-2.00
- 2-2.01
- 2-2.02
- 2-3.00
- 2-4.00
- 2-5.00
- 2-6.00
- 2-9.00
- 2-9.01
- 2-9.02
- 2-10.00
- 2-22.00
- 2-24.00
- 2-26.00

LEGEND

WATER QUALITY CONTROL
HARD REGION NUMERAL

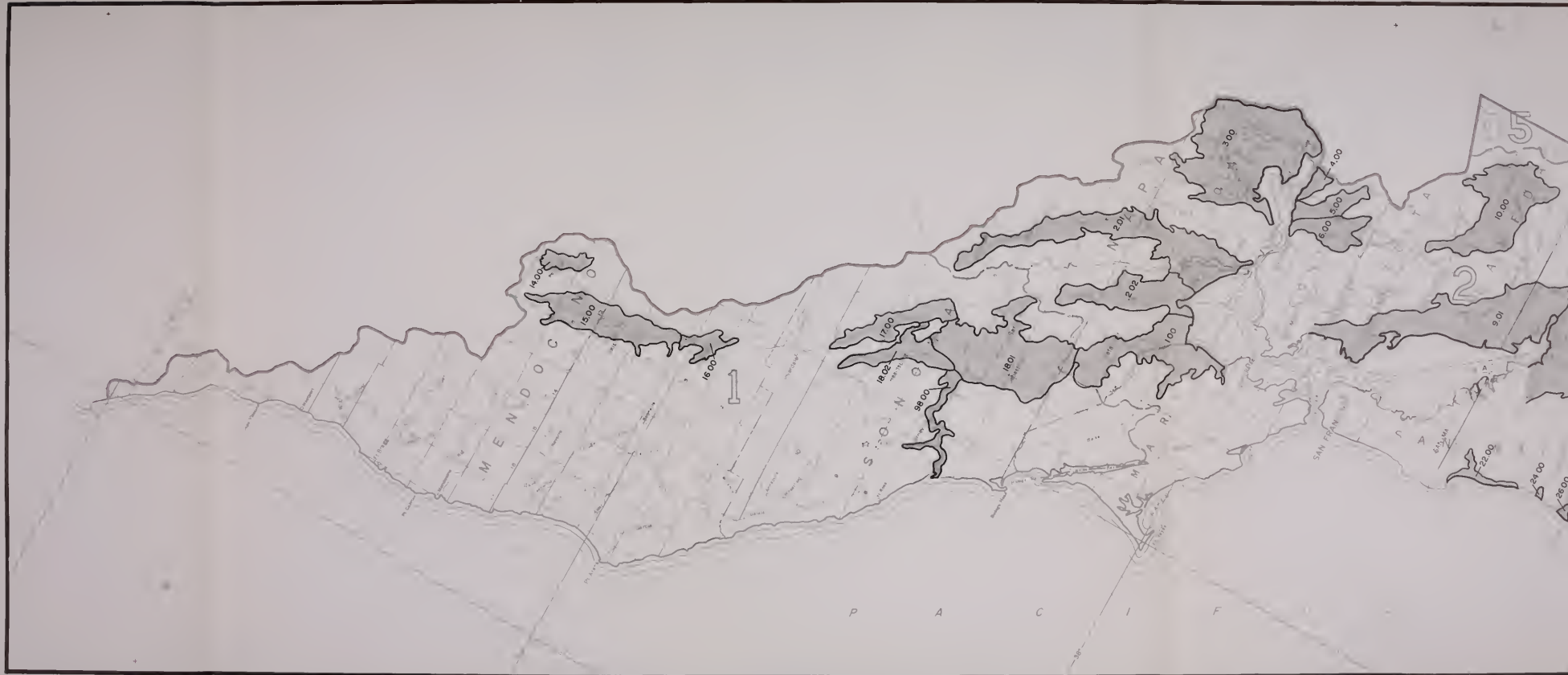
WATER QUALITY CONTROL
HARD REGION BOUNDARY
GROUND WATER BASIN OR UNIT

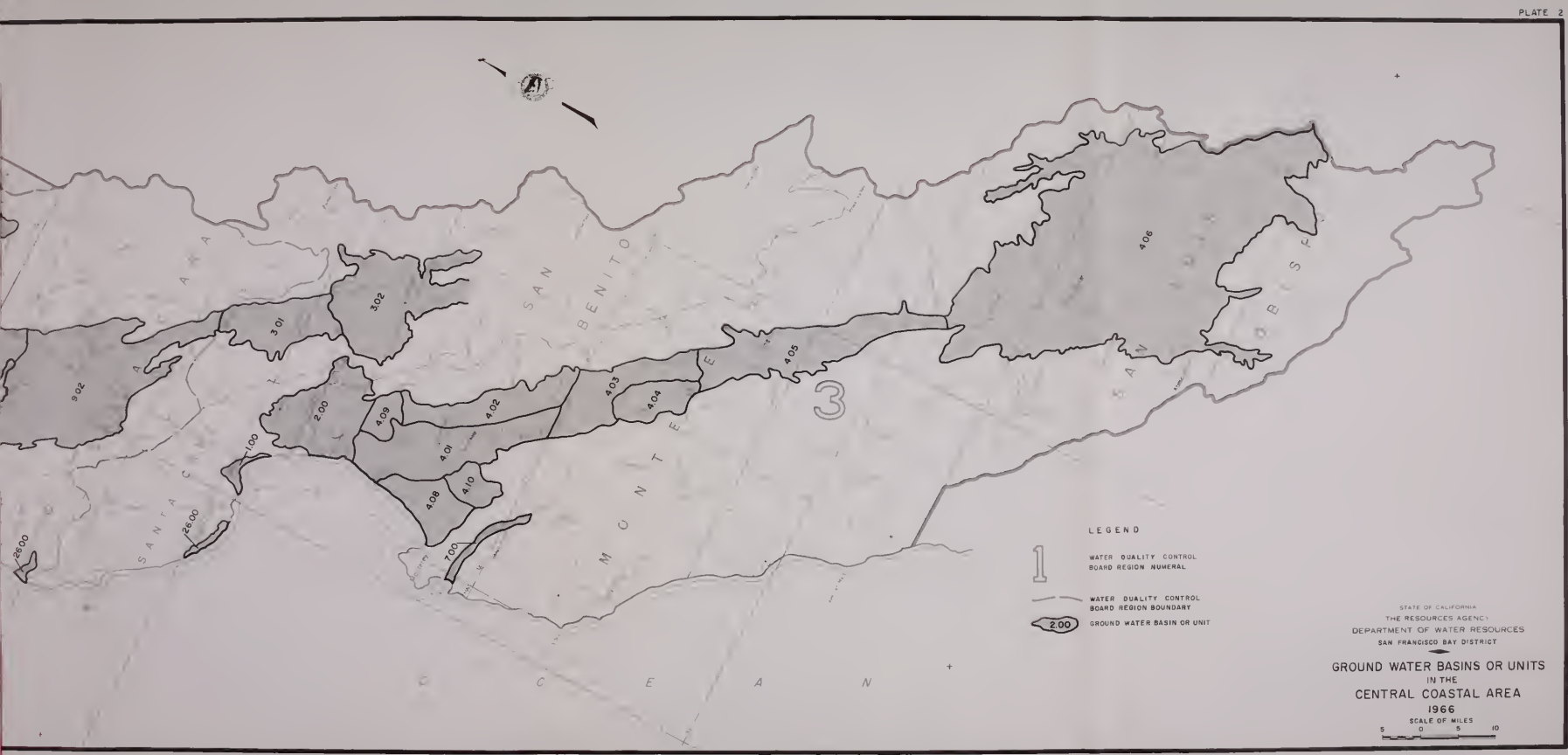


STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT

GROUND WATER BASINS OR UNITS
IN THE
CENTRAL COASTAL AREA
1966







LEGEND

- 1 WATER QUALITY CONTROL BOARD REGION NUMERAL
- WATER QUALITY CONTROL BOARD REGION BOUNDARY
- 2.00 GROUND WATER BASIN OR UNIT

STATE OF CALIFORNIA
 THE RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
 SAN FRANCISCO BAY DISTRICT

**GROUND WATER BASINS OR UNITS
 IN THE
 CENTRAL COASTAL AREA
 1966**

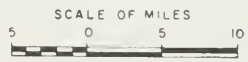
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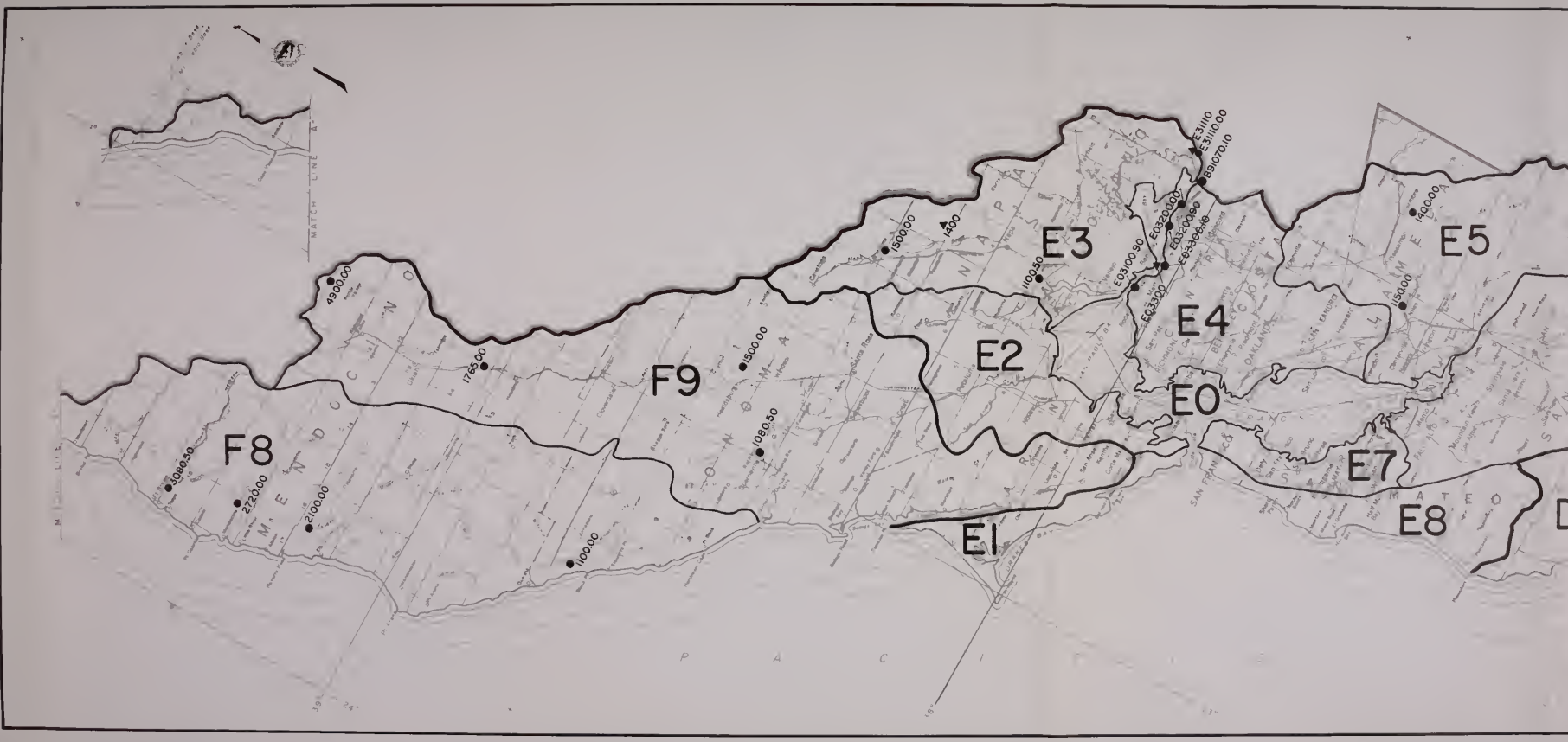


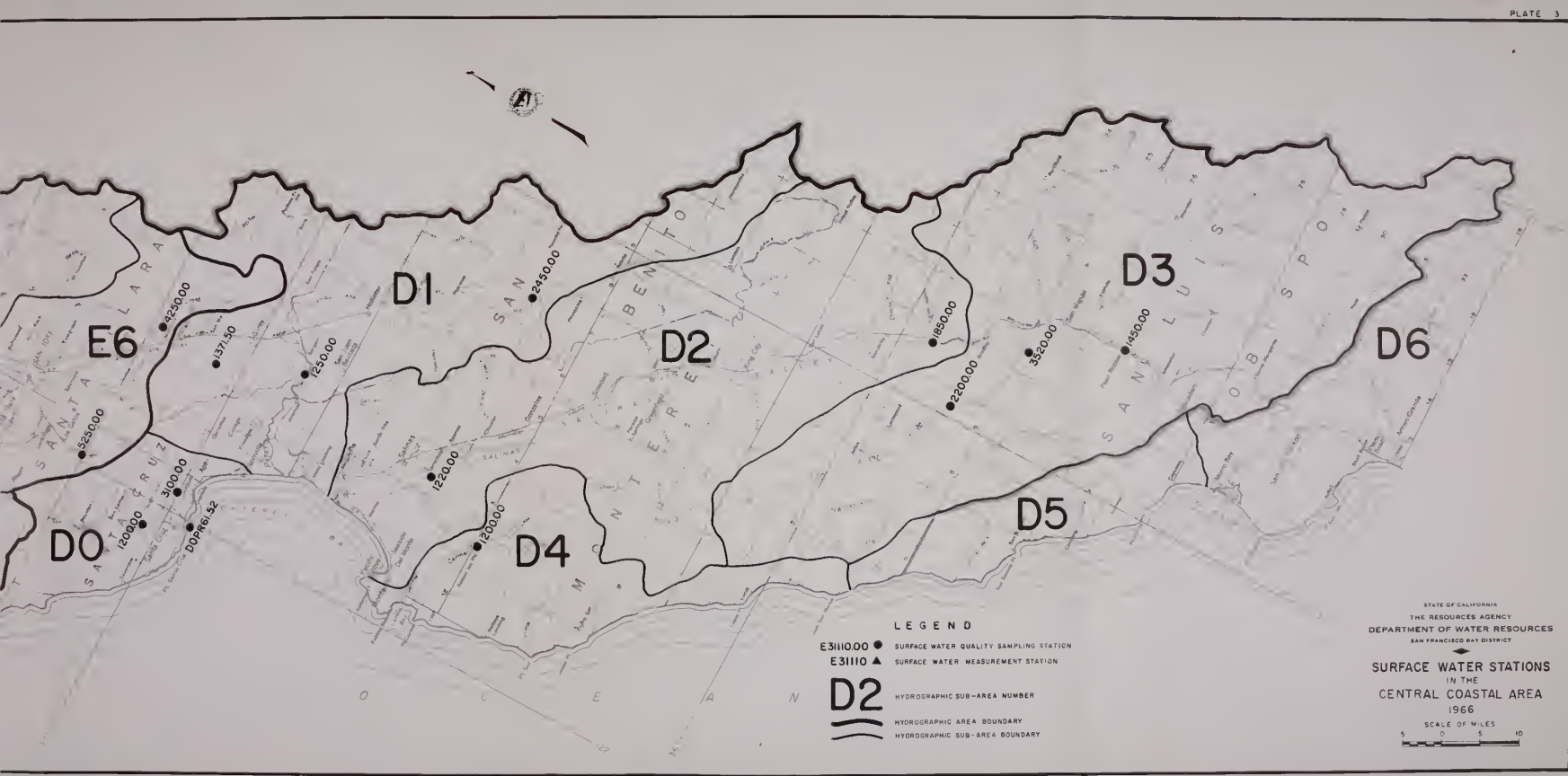


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◆
SURFACE WATER STATIONS
IN THE
CENTRAL COASTAL AREA
1966





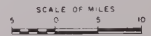


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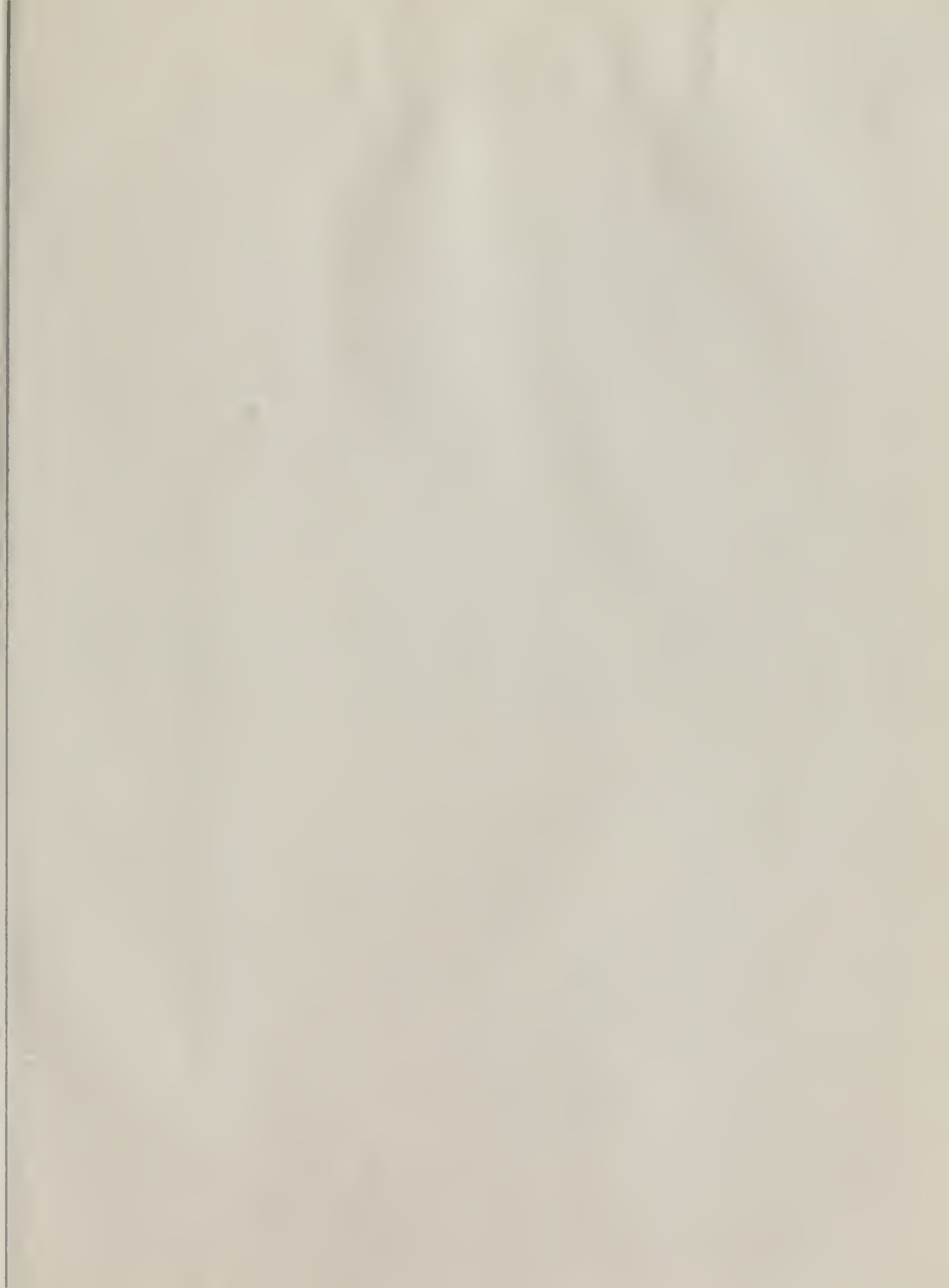












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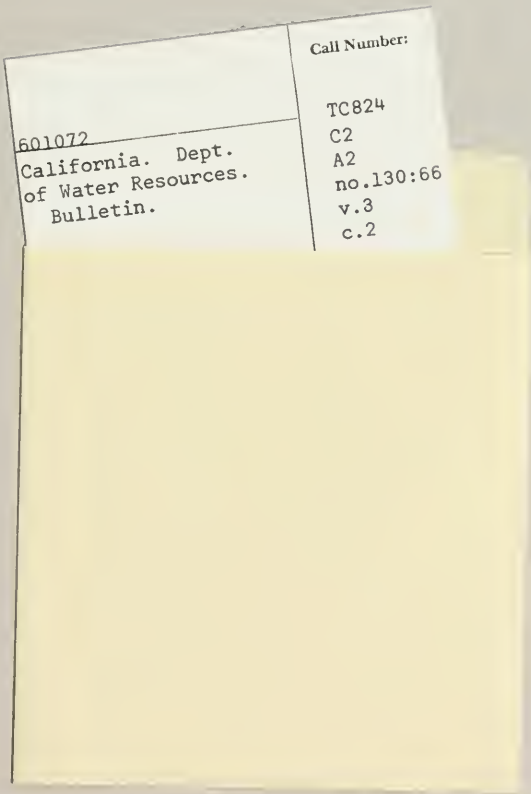
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